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Analysis of the Linear Methods for Determining Copolymerization Reactivity Ratios, VII

A Critical Reexamination of Radical Copolymerizations of Styrene

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SUMMARY:

The reactivity ratios of 8000 published styrene copolymerization systems have been reviewed in terms of the extended Kelen-Tüdős method. Only 649 systems were described in sufficient detail for reevaluation and classification. r-Values, together with their 95% confidence limits have been calculated. Quantities δ^{\square} and Q, suitable for classification of the systems, have been applied. Of the 649 reevaluated systems, 243 (37.5%) were found to belong to class I and 221 (34.1%) to class I(!), i.e. 464 (71.6%) systems for which the conventional copolymerization equation was found to be adequate. 66 (10.2%) class II systems were found where the two-parameter model does not hold. Finally, 118 (18.2%) systems were judged to belong to class III, i.e. systems for which the experimental data are inconsistent and the published r-values meaningless.

ZUSAMMENFASSUNG:

Anhand der erweiterten Kelen-Tüdős-Methode wurden Copolymerisationsparameter für Copolymerisationen mit Styrol aus etwa 8000 Publikationen geprüft. Für die Neuberechnung und Klassifizierung sind in der Literatur lediglich 649 Monomersysteme ausreichend genau beschrieben. Es wurden r-Werte einschließlich des 95% Vertrauensintervalls berechnet. Zur Klassifizierung des jeweiligen Systems wurden die Größen δ^{\square} und Q angewendet. Unter 649 neu ausgewerteten Systemen wurden 243 (37,5%) der Klasse I und 221 (34,1%) der Klasse I(!) zugeordnet. Insgesamt ist für 464 (71,6%) Monomerpaare die konventionelle Copolymerisationsgleichung zutreffend. Für 66 (10,2%) Systeme, die der Klasse II zugeordnet wurden, ist das Zwei-Parameter-Modell ungültig. Zur Klasse III gehören 118 (18,2%) Monomersysteme,

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für die die experimentellen Daten inkonsistent und die publizierten r-Werte unzutreffend sind.

Introduction

Earlier publications ¹⁻⁴ were concerned with a reexamination of published copolymerization systems in terms of the KT equation. The Kelen-Tüdős (KT) equation ^{5,6} has been derived from the classical copolymerization equation ^{7,8} and is generally applicable to simple (two monomers/two propagating species) binary systems. The KT method was extended to systems with high conversion ^{9,10}.

The KT transformation gives the best estimates of copolymerization parameters obtainable by linear least-squares calculations and it provides a valuable visual display of experimental points. As described in our previous reclassification research¹⁻⁴, we classified the recalculated systems as follows: class I — strictly linear systems describable by the two-parameter model and giving accurate parameters; class I(!) — systems consistent with the two parameter model but giving poorer parameter estimates because of a greater dispersion of experimental points; class II — nonlinear systems where the two-parameter model does not hold; and class III — systems with inconsistent data.

This article concerns a reexamination of radical copolymerization systems of styrene. Reactivity ratios have been recalculated and are given with their 95% confidence limits. The above-mentioned classification was quantisized by introducing the quantities δ^{\square} and Q.

Calculation Method

Detailed description of calculation was given in³, together with the calculation steps for the copolymerisation parameters r_1 and r_2 . The confidence intervals of the copolymerization parameters are determined by the standard method of linear regression calculations. The 95% confidence intervals of the parameters are

$$\Delta r_1 = \pm t_{0.95} (n-2) \left(\frac{S_{min}^2}{n-2} \frac{\Sigma (1-\xi_i)^2}{D} \right)^{1/2}$$
 (1)

$$\Delta r_2 = \pm \alpha t_{0.95} (n-2) \left(\frac{S_{min}^2}{n-2} \frac{\Sigma \xi_i^2}{D} \right)^{1/2}$$
 (2)

where S_{min}^2 is the minimum value of the residual sum of squares corresponding to the least-squares estimates of parameter r_1 and r_2 :

$$S_{\min}^2 = \sum \left[\eta_i - \left(r_1 + \frac{r_2}{\alpha} \right) \xi_i + \frac{r_2}{\alpha} \right]^2$$
 (3)

D stands for the expression

$$D = \sum \xi_i^2 \sum (1 - \xi_i)^2 - [\sum \xi_i (1 - \xi_i)]^2$$
 (4)

and $t_{0.95}(n-2)$ is the tabulated value of the Student *t* distribution for *n* data at the 95% level.

For systems consistent with the simple binary copolymerization model (i.e., giving linear $\xi - \eta$ plots), we introduced a quantitative measure of the confidence δ^{\square} , defined by the relative values of confidence intervals:

$$\delta^{\square} = \Delta r_1 \, \Delta r_2 / r_1 \, r_2 \tag{5}$$

The recalculation of copolymerization parameter determinations allows us to evaluate quantitatively the design of published experiments. It has been shown¹², that in ideally planned experiments the auxiliary parameter α is equal to the ratio of the copolymerization parameters, r_2/r_1 . Thus, an experimental design can be characterized by the parameter Q, which in the ideal case has the maximum value of 1:

$$Q = \exp \left[- \left| \ln \left(\alpha \frac{r_1}{r_2} \right) \right| \right]$$
 (6)

Low Q values, obtained when the experimental α is significantly different from the ideal, indicate improperly designed experiments.

Results and Discussion

Of the about 8000 styrene containing radical copolymerization systems described in the literature, we were able to reevaluate only 649. Unfortunately, many authors gave only composition diagrams or they have chosen not to report detailed experimental data at all. This is a highly objectionable practice and journals should not accept manuscripts for publication without these data.

Regrettably the reproducibility and the accuracy of the published copolymerization data do not reach the required level for reevaluation in many cases.

The data of the reexamined 649 systems are summarized in Tab. 1. A few extremely high-conversion data have been found and those unsuitable for the exact evaluation according to the developed criteria^{9,10} were excluded (see Tab. 1, Remarks b, d).

Tab. 1 also contains confidence intervals, which serve to quantisize our classification system in an objective manner. The product of the relative errors of parameters (i.e., the area of relative error square, δ^{\square}) is particularly suitable for this purpose.

Column 9 of Tab. 1 shows δ^{\square} values calculated by Eq. (5). The classification in column 10 was made independently from these calculations by visual evaluation of the $\xi - \eta$ plot, as described in ref. 1. Comparison of the data in columns 9 and 10 indicates that the borderline beween classes I and I(!) is at $\delta^{\square} \approx 0.1$, and that of classes I(!) and III at $\delta^{\square} \approx 10$. These borderlines are not very sharp and the $\xi - \eta$ plot must also be considered to judge the classifications of intermediate systems.

The classification method based on the numerical value of δ^{\square} is not applicable for class II systems. The separation and classification of such systems can only be done on the basis of the $\xi - \eta$ plot.

The 11th column of Tab. 1 shows Q, which is an indication of the quality of experimental design¹². The few Q values obtained do not allow us to reach general conclusions; it appears, however, that in general class I determinations are associated with high values of Q.

For systems in which one of the r-values equals zero, the quantities δ^{\Box} and Q cannot be calculated [see⁵ and⁶]. In such systems small negative values were often obtained for r_1 or r_2 . A negative r-value is physically meaningless, therefore, if the r=0 was inside the 95% confidence interval, we repeated the calculation by *a priori* assuming r=0. The values obtained by this procedure are given in a second line with the remark "p" or "q". Usually, this leads to an only small change in the value of the non-zero reactivity ratio, therefore, the confidence intervals given in the first line can also be used for the second line.

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List of Abbreviations in Table 1

ACVA = 4,4'-azo-bis(4-cyanovaleric acid)

AIBN = azo-bis-isobutyronitrile

BPO = benzoyl peroxide

DMF = dimethyl formamide

DMSO = dimethyl sulfoxide

MEE = 2-(2-methoxyethoxy)-ethanol

MEK = methyl ethyl ketone

TBB = tributylborane

THF = tetrahydrofurane

 $M_1 = 1st monomer (styrene)$

M₂ = 2nd monomer ? = unspecified

- = none

Tab. 1. Summary of free radical copolymerization systems with styrene as first monomer.

ģ	No. 2 nd Monomer	Initiator / Solvent / Temp. °C	Original	(Z	ر. او با	Recalculated F	lated 7	δ ^D Class	Class	G Re- marks
-	acetoxymethyl vinyl ketone	AIBN/MEK/50°C	0.10	0.36	-	0.103 + 0.011 0.368 + 0.018		5.402	_	0.456
7	N-(1-acetoxyphenyl)citraconimide	AIBN/THF/60°C	0.17 + 0.04	0.047 ± 0.05	7	1	1		Ξ	
ო	N-(1-acetoxyphenyl)itaconimide	AIBN/THF/60°C	0.25 ± 0.08	0.15 ± 0.07	က				=	
4	N-(p-acetoxyphenyl)maleimide	A1BN/cyclohexanone/60°C	0.1 ± 0.05	0.01 + 0.01	4				=	v
3	p-acetoxystyrene	AIBN/-/60°C	0.85 + 0.15	0.85 ± 0.15 1.35 ± 0.2						u
			1.293 + 0.020	1.377 ± 0.028	5	0.835 + 0.029	1.305 ± 0.050	0.001	_	0.846 e
9	p-acetoxystyrene	AIBN/-/60°C	0.88	1.18	9	0.887 + 0.034 1.218 + 0.069	1.218 ± 0.069	0.002	_	0.661
7	N-(1-acetylphenyl) iso-maleimide	AIBN/THF/70°C	0.10	0.11	7	0.0507 ± 0.0977	0.0507 ± 0.0977 0.0370 ± 0.0929 4.84	4.84	Ξ	0.812
80	N-(p-acethylphenyl)maleimide	AIBN/cyclohexanone/60°C	0.04+0.0	0.0 + 0.01	4				≡	u'e
•	acrolein	AIBN/dioxane/50°C	0.22	0.33	80	0.196 ± 0.006	0.313 + 0.007	9000.0	~	0.726 e
01	acrolein	AIBN/dioxane/60°C	0.25	0.25	٥	0.235 ± 0.069	0.213 ± 0.061	0.084	_	0.959
Ξ	acrolein	?/emulsion/50°C	0.32	0.034	01	0.239 ± 0.079	0.0150 ± 0.0132 0.291	0.291	Ξ	0.009 n
12	acrylamide	AIBN/ethanol/60°C	1.44 ± 0.22	0.30 + 0.09	Ξ	1.64±0.81	0.801 ± 0.647	0.399	Ξ	0.588
13	acrylamide	AIBN/acetonitrile/60°C	2.79 ± 0.12	1.39 ± 0.07	=	3.49 ± 2.37	2.02 ± 1.53	0.514	€	0.791
4	14 acrylamide	BPO/MEE/90°C	7.68	0.27	12	1.69 ± 0.30	0.309 ± 0.101	0.058	_	0.559 s
15	15 acrylamide	H ₂ O ₂ /t-butanol-water/90°C			12	4.71 ± 3.61	0.932 ± 1.014	0.834	Ξ	0.761
91	acrylamide	BPO/diglyme/90°C	.46	1.09	13	1.19 ± 0.58	0.780 ± 0.297	0.186	Ξ	0.656 n
17	acrylamide	BPO/DMSO/90°C	2.01	0.16	12	2.27 ± 0.42	0.195 ± 0.094	0.089	_	0.397
18	acrylamide	BPO/benzonitrile/90°C	1.35	2.4	12	0.735 ± 3.456	1.281 ± 3.043	11.17	≘	0.475 t
61	acrylamide	BPO/benzene-benzonitrile/90°C	1.5	4.4	12	0.257 ± 0.822	1.123 ± 0.826	2.355	≘	0.196 n
70	acrylamide	BPO/benzene/90°C	0.25	12.5	12				Ξ	c
21	21 acrylamide	8PO/o-dichlorobenzene/90°C			12				፷	-

2	Pub Att	0 1/ 13/ 111	Original		۱ :	Recolculated	lated	į	;	ı	
2	. 4 Monomer	Initiator / Solvent / Iemp. C	(-	(2	 Š	(-	2	ο _σ	Class	3	marks
22	acrylamide	AIBN/benzene/90°C	0.67 + 0.08	0.14+0.27	13	0.605 + 0.204	0.19 + 1.11	0.04	_	0.292	
23	acrylamido-1-deoxy-D-glucital	BPO/H ₂ O + methanol/50°C	0.056	2.72	4	0.058 + 0.019	2.716 + 0.153	0.019	_	0.138	
7	acrylic acid	AIBN/-/60°C	0.19	ı	15	I	I		≡		
25	acrylic acid	AIBN/-/50°C	0.25	0.07	91	0.250 ± 0.030	0.058 ± 0.022	0.045	_	0.341	
56	acrylic acid	AIBN/dioxan/50°C	0.75	0.13	91	0.720 + 0.057	0.106 + 0.031	0.023	_	0.293	
72	acrylic acid	AIBN/THF/50°C	0.00	0.14	91	0.897 ± 0.067	0.134 ± 0.035	0.019	-	0.308	
78	acrylic acid	AIBN/methylethylketone/50°C	0.70	0.15	9	0.673 ± 0.036	0.137 ± 0.021	0.008	_	0.373	
3	acrylic acid	AIBN/DMF/50°C	1.03	0.15	91	1.090 + 0.092	0.137 ± 0.027	0.016	_	0.515	
8	acrylic acid	AIBN/DMF/60°C	9.1	0.05	12	1.621 ± 0.095	0.0255 ± 0.0299	0.069	_	0.056	
3	ocrylic ocid	AIBN/benzene/60°C	0.30	0.13	12		0.0964 ± 0.0334 0.053	0.053	9	0.44	c
33	acrylonitrile	BPO/bulk/75°C	0.41 ± 0.08	0.03 ± 0.03	81	0.363 ± 0.075	-0.002 ± 0.132)		<u> </u>		4 а
33	acrylonitrile	?/bulk/50°C	0.37 ± 0.03	0.07 + 0.006	<u>6</u>	0.336 ± 0.047	0.0406 ± 0.0099 0.034	0.034	Ξ	0.443	
34	acrylonitrile	t-butylperoxypivalate/suspension /70 ^C C	0.40	0.058	295	0.306+0.136	0.0050+0.1205 10.77	10.77	9	0.016	•
35	acrylonitrile	?/-/50°C	0.358	0.065	7	0.335 ± 0.047	0.0405 ± 0.0099	0.034	Ξ	0.443	
8	acrylonitrile	-/emulsion, sodium oleate/80°C	0.78 ± 0.04	0.02 + 0.02	22		-0.039 ± 0.0536)		<u>=</u>		a
37	acrylonitrile	-/emulsion /80°C	$0.98 \pm 0.08 -0.05 \pm 0.03$	-0.05 ± 0.03	52	(0.882 ± 0.166 0.935	-0.052 ± 0.069) 0		Ξ		۵
38	acrylonitrile	-/emulsion, sodium oleate/40°C	0.90 + 0.10 -0.02 + 0.02	-0.02 + 0.02	22	(0.895 + 0.162 0.952	-0.034 + 0.033) 0		9		c 0
33	acrylonitrile	AIBN/DMF[M ₁]+[M ₂]= 0.6 mol/ $i/60^{\circ}$ C	0.41	0.20	23	0.181 ± 0.029	0.340 ± 0.067	0.031	9	0.854	
4	acrylonitrile	AIBN/DMF[M ₁]+[M ₂]= 2 mol/l/ 60°C	0.30	0.16	23	0.137 ± 0.034	0.312 ± 0.035	0.028	_	0.371	
=	acrylonitrile	AIBN/toluene/60°C	0.25	0.13	23	l	I		≡		
42	acrylonitrile	AIBN/DMF/60°C	0.36	0.13	74				Ξ		
4	acrylonitrile	AIBN/toluene/60°C	0.40	0.13	74				Ξ		
4	acrytonitrile	K ₂ S ₂ O ₈ /emutsion/50°C	0.44 + 0.04	0.1 ± 0.02	52	0.444 ± 0.049	0.102 ± 0.031	0.033	_	0.388	>

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No. 2 ¹⁰ Monomer Initiator / Solvent / Temp. ℃ 45 acrylonitrile 48 N-acrylonitrile 46 N-acrylonitrile AIBN/dioxana/70°C 0.41 48 N-acrylonitrile AIBN/dioxana/70°C 0.85 49 N-acryloyl-dibenzazepine AIBN/MEK/70°C 0.87 49 N-acryloyl-dibenzazepine AIBN/MEK/70°C 0.87 50 N-acryloyl-dibenzazepine AIBN/MEK/70°C 0.87 51 allyl chloride AIBN/MEK/70°C 0.35 52 allyl methyl silane AIBN/Abnzene/80°C 30 53 N-allyl oxycarbonyl aziridine AIBN/Abnzene/80°C 30 54 3-allyloxycarbonyl aziridine BPO/benzene/80°C 30 55 allyl phenyl silane AIBN/Abnzene/80°C 30 55 allyl phenyl silane BPO/benzene/80°C 30 55 allyl phenyl silane BPO/benzene/80°C 30 55 allyl phenyl silane AIBN/Abnzene/80°C 30 55 allyl phenyl silane BPO/benzene/80°C 30 56 benzalacetone BPO/benzene/80°C 30 60 benzalacetone AIBN/ethyl ether/80°C; 1.31 ± <t< th=""><th>-</th><th></th><th></th><th></th><th></th><th></th><th>-</th><th></th><th></th><th></th><th></th><th></th></t<>	-						-					
acrylonitrile N-acryloyl aziridine N-acryloyl-dibenzazepine N-acryloyl-dibenzazepine N-acryloyl-dibenzazepine N-acryloyl-2-oxazolidane AlBN/benzene,/80°C AlBN/benzene,/80°C AlBN/benzene,/80°C AlBN/benzene,/80°C AlBN/chyloxymethyl-N-methyl carbamate AlBN/-/80°C AlBN/-80°C AlBN/-80°C AlBN/-80°C AlBN/-80°C AlBN/-80°C AlBN/-80°C	ĝ	2	Initiator / Salvent / Temp. "C	1	[2]	 S &	r ₁	12 12	00	Class	ø	Re- marks
Name				;	;	;	;		,			
N-acryloyl aziridine N-acryloyl-dibenzazepine AlBN/benzene/70°C N-acryloyl-dibenzazepine AlBN/benzene/80°C 2-acryloyloxyethyl-N-methyl carbamate AlBN/benzene/80°C AlBN/benzene/60°C allyl chloride AlBN/benzene/60°C AlBN/charane/70°C AlBN/charane/70°C AlBN/charane/60°C AlBN/charane/60°C AlBN/charane/60°C AlBN/charane/60°C AlBN/charane/60°C AlBN/charane/60°C AlBN/charane/60°C AlBN/chyl ether/60°C benzalacetone BPO/benzene/60°C AlBN/chyl ether/60°C Benzalacetone BPO/benzene/60°C AlBN/chyl ether/60°C; SnCl_4 0.3 mol/1 Benzalacetophenone Benzalacetophenone AlBN/chyl ether/60°C; SnCl_4 0.3 mol/1 Benzalacetophenone AlBN/chyl ether/60°C; SnCl_4 0.3 mol/1 Benzalacetophenone AlBN/chyl ether/60°C; SnCl_4 0.3 mol/1 AlBN/chyl ether/60°C; SnCl_4 0.5 mol/1 Benzalacetophenone AlBN/chyl ether/60°C; SnCl_4 0.5 mol/1 Benzalacetophenone AlBN/chyl ether/60°C; SnCl_4 0.5 mol/1 Benzalacetophenone AlBN/chyl ether/60°C; SnCl_4 0.5 mol/1 AlBN/-60°C	45		lauroyl peroxide/bulk/70°C	0.41	0.04	28	0.413 ± 0.086	0.070 ± 0.020	0.059	_	0.657	
N-acryloyl-dibenzazepine AIBN/benzene/70°C N-acryloyl-dibenzazepine AIBN/benzene/80°C 2-acryloyloxyethyl-N-methyl carbamate AIBN/hEK/70°C N-acryloyl pyrrolidone BPO/-benzene/60°C allyl chloride BPO/-benzene/60°C allyl oxymethyl-N-methyl carbamate AIBN/benzene/60°C N-allyloxymethyl-3-chloromethyl oxacyclobutane BPO/-benzene/65°C allyl phenyl silone BPO/-benzene/60°C N-allyloxymethyl-styl methocrylate BPO/benzene/60°C A-cylazo-3-maleimido-N, N-dimethylaniline BPO/-y0°C A-cylazo-3-maleimido-N, N-dimethylaniline BPO/benzene/60°C benzalacetone BPO/benzene/60°C benzalacetone AIBN/ethyl ether/60°C; benzalacetone AIBN/ethyl ether/60°C; benzalacetone AIBN/ethyl ether/60°C; benzalacetophenone AIBN/-ethyl ether/60°C; benzalacetophenone AIBN/-ethyl ether/60°C;	4		AIBN/dioxane/70°C	0.56	0.25	23	0.488 ± 0.424	0.213 ± 0.086	0.352	≘	0.535	ø
N-acryloyl-2-oxazolidone AIBN/benzene/80°C 2-acryloyloxyethyl-N-methyl carbamate AIBN/MEK/70°C H-acryloyl pyrrolidone AIBN/henzene/60°C allyl chloride BPO/-60°C allyl methyl silane AIBN/-60°C H-allyloxycarbonyl aziridine AIBN/-60°C 3-allyloxymethyl-3-chloromethyl oxacyclobutane BPO/-60°C allyl phenyl silane AIBN/-60°C N-allyloxymethyl-3-chloromethyl oxacyclobutane BPO/-60°C allyl phenyl silane BPO/-60°C N-allyl-stearamide AIBN/-60°C A-contryllethyl methocrylate BPO/-60°C 4-cylazo-3-maleimide-N, N-dimethylaniline BPO/-90°C 2-(1-aziridinyl)ethyl methocrylate BPO/-60°C Benzalacetone AIBN/ethyl ether/60°C benzalacetone AIBN/ethyl ether/60°C benzalacetone AIBN/ethyl ether/60°C benzalacetophenone AIBN/ethyl ether/60°C benzalacetophenone AIBN/ethyl ether/60°C benzalacetophenone AIBN/ethyl ether/60°C benzalacetophenone AIBN/-6thyl ether/60°C benzalacetophenone AIBN/-6thyl ether/60°C <td>47</td> <td></td> <td>AIBN/benzene/70°C</td> <td>0.87</td> <td>-:-</td> <td>962</td> <td>0.796 ± 0.076</td> <td>0.672 ± 0.628</td> <td>0.089</td> <td>-</td> <td>0.102</td> <td></td>	47		AIBN/benzene/70°C	0.87	-:-	962	0.796 ± 0.076	0.672 ± 0.628	0.089	-	0.102	
2-acryloyloxyethyl-N-methyl carbanate AIBN/MEK/70°C N-acryloyl pyrrolidone AIBN/benzene/80°C allyl chloride BPO/-480°C AlBN/sioxane/70°C 3-allyloxymethyl silone N-allyloxymethyl-3-chloromethyl oxacyclobutane BPO/-benzene/65°C allyl phenyl silone BPO/-benzene/60°C N-allyl-stearamide BPO/-benzene/60°C 4-cylozo-3-maleimide-N, N-dimethylaniline BPO/-y80°C 4-cylozo-3-maleimide-N, N-dimethylaniline BPO/-y80°C 2-(1-aziridinyl)ethyl methacrylate BPO/-y80°C benzalacetone BPO/-y80°C benzalacetone AIBN/ethyl ether/80°C; benzalacetone AIBN/ethyl ether/80°C; benzalacetophenone AIBN/-ethyl ether/80°C; benzalacetophenone AIBN/-ethyl ether/80°C; benzalacetophenone AIBN/-ethyl ether/80°C; benzalacetophenone AIBN/-ethyl ether/80°C; benzalacetophenone	8		AIBN/benzene/80°C	1.35	0.24	28	1.216±0.151	0.228 ± 0.328	0.179	-	0.104	
N-actyloyl pytrolidone AIBN/benzene/60°C allyl chloride BPO/-/60°C allyl methyl silone AIBN/-/60°C N-allyloxymathyl-3-chloromethyl oxacyclobutane BPO/-/60°C 3-allyloxymathyl-3-chloromethyl oxacyclobutane BPO/-benzene/65°C 1-(\$-antryl]ethyl methocrylate BPO/-y0°C 4-arylazo-3-maleimido-N, N-dimethylaniline BPO/-y0°C 2-(1-aziridinyl)ethyl methocrylate BPO/-y0°C benzalacetone BPO/enzene/60°C benzalacetone AIBN/ethyl ether/60°C; benzalacetone AIBN/ethyl ether/60°C; benzalacetophenone AIBN/-ethyl ether/60°C; benzalacetophenone<	49		AIBN/MEK/70°C	0.56	0.18	&	0.568 ± 0.033	0.140 ± 0.039	0.016	-	0.187	
allyl chloride BPO/-/80°C allyl methyl silone AIBN/-/60°C N-allyloxymethyl-3-chloromethyl oxacyclobutane BPO/-/60°C 3-allyloxymethyl-3-chloromethyl oxacyclobutane BPO/-benzene/65°C AlBN/-istearamide AIBN/-benzene/60°C 1-(9-antryl)ethyl methocrylate BPO/-y0°C 4-arylazo-3-maleimide-N, N-dimethylaniline AIBN/ethyl ether/60°C 2-(1-aziridinyl)ethyl methocrylate BPO/-y0°C benzalacetone AIBN/ethyl ether/60°C; benzalacetone AIBN/ethyl ether/60°C; benzalacetone AIBN/ethyl ether/60°C; benzalacetophenone AIBN/ethyl ether/60°C; benzalacet	20		AIBN/benzene/60°C	0.35	1.50	တ္တ	0.265 ± 0.201	1.408 ± 0.793	0.426	Ξ	0.593	
AIBN/-/60°C N-allyloxycarbonyl azirdine AIBN/-/60°C 3-allyloxymethyl-3-chloromethyl oxacyclobutane BPO/benzene/65°C AIBN/-/60°C AIBN/-/6	51	allyl chloride	8PO/-/60°C	30		33				≡		
N-allyloxycarbonyl aziridine 3-allyloxymathyl-3-chloromethyl oxacyclobutane BPO/benzene/65°C allyl phenyl silone N-allyl-stearamide N-benzalacetone BPO/-y0°C 2-(1-aziridinyl)ethyl methacrylate BPO/-y0°C AIBN/ethyl ether/80°C SnCl_4 0.3 mol/l benzalacetone SnCl_4 0.3 mol/l benzalacetophenone AIBN/ethyl ether/80°C; SnCl_4 0.3 mol/l benzalacetophenone AIBN/ethyl ether/80°C; SnCl_4 0.3 mol/l benzalacetophenone SnCl_4 0.3 mol/l benzalacetophenone AIBN/ethyl ether/80°C; SnCl_4 0.3 mol/l benzalacetophenone SnCl_4 0.3 mol/l AIBN/-ktyl ether/80°C; SnCl_4 0.3 mol/l benzalacetophenone SnCl_4 0.5 mol/l AIBN/-ktyl ether/80°C; SnCl_4 0.5 mol/l	52		AIBN/-/60°C	36	0	297				Ξ		
3-allyloxymethyl-3-chloromethyl oxacyclobutane allyl phenyl silane N-allyl-stearamide N-allyl-stearamide N-allyl-stearamide N-allyl-stearamide N-allyl-stearamide N-allyl-stearamide N-allyl-stearamide N-allyl-stearamide AIBN/ehryl enter/80°C Penzal acetone BPO/-/90°C AIBN/ehryl ether/80°C SnCl_4 0.3 mal/h Benzal acetophenone AIBN/ethyl ether/80°C; SnCl_4 0.5 mal/h Benzal acetophenone AIBN/ethyl ether/80°C; SnCl_4 0.5 mal/h AIBN/ethyl ether/80°C; SnCl_4 0.5 mal/h Benzal acetophenone AIBN/ethyl ether/80°C; SnCl_4 0.5 mal/h AIBN/-/80°C Benzyl acrylate AIBN/-/80°C AIBN/-/80°C	ß		AIBN/dioxane/70°C	50	0	23				=		e e
allyl phenyl silone N-allyl-stearamide N-allyl-stearamide 1-(9-annyy)ethyl methacrylate 4 IBN/benzene/60°C 2-(1-aziridinyl)ethyl methacrylate BPO/-70°C 2-(1-aziridinyl)ethyl methacrylate BPO/benzene/60°C 2-(1-aziridinyl)ethyl methacrylate BPO/-70°C AIBN/chyl ether/60°C SnCl_4 0.3 mol/l Benzalacetone AIBN/ethyl ether/60°C; SnCl_4 0.5 mol/l Benzalacetophenone AIBN/ethyl ether/60°C; SnCl_4 0.5 mol/l AIBN/ethyl ether/60°C; SnCl_4 0.3 mol/l AIBN/-/60°C Benzalacetophenone 3/-/60°C Benzyl acrylate 3/-/60°C	3		BPO/benzene/65°C	દ્ય	0.013	32	128.6 ± 65.8	0.065 ± 0.517	4.088	Ξ	0.054	٥
N-allyl-stearamide BPO/-/90°C 1-(\$-antryl)ethyl methocry/late AIBN/benzene/60°C 4-arylazo-3-maleimido-N, N-dimethylaniline BBO/benzene/60°C 2-(1-aziridinyl)ethyl methocrylate BPO/benzene/60°C benzalacetone AIBN/ethyl ether/60°C; benzalacetone AIBN/ethyl ether/60°C; benzalacetone AIBN/ethyl ether/60°C; benzalacetophenone AIBN/ethyl ether/60°C; snCl_4 0.3 mol/1 AIBN/ethyl ether/60°C; snCl_4 0.3 mol/1 AIBN/ethyl ether/60°C; snCl_4 0.5 mol/1 AIBN/ethyl ether/60°C; snCl_4 0.5 mol/1 AIBN/ethyl ether/60°C; snCl_4 0.5 mol/1 AIBN/ethyl ether/60°C; benzyl acrylate ?/-/60°C AIBN/-/80°C AIBN/-/80°C	55		A18N/-/60°C	8	0	282	$(27.14 \pm 18.62$ 28.33	-0.052 ± 0.693		(E)		۵
1-(9-antry/)ethyl methocry/late 41BN/benzene/60°C 4-arylazo-3-maleimido-N, N-dimethylaniline 2-(1-aziridiny)lethyl methacrylate BPO/benzene/60°C benzalacetone AIBN/ethyl ether/60°C; 5nCl_0.3 mol/l benzalacetophenone AIBN/ethyl ether/60°C; 5nCl_0.3 mol/l benzalacetophenone AIBN/ethyl ether/60°C; 5nCl_0.3 mol/l benzalacetophenone AIBN/ethyl ether/60°C; 5nCl_0.3 mol/l AIBN/e	χ,		BPO/-/90°C	19.7	0.05	g	17.71 ± 1.73	0.001 ± 0.091	6.349	-	0.001	
4-arylazo-3-maleimido-N, N-dimethylaniline BPO/benzene/60°C 2-(1-aziridiny))ethyl methacrylate BPO/benzene/60°C benzalacetone AIBN/ethyl ether/60°C; benzalacetone AIBN/ethyl ether/60°C; benzalacetone AIBN/ethyl ether/60°C; benzalacetophenone AIBN/ethyl ether/60°C;	22		AIBN/benzene/60°C	0.37 ± 0.08	0.42 ± 0.07	34	0.195 ± 0.080	0.269 ± 0.050	0.076	Ξ	0.298	
2-(1-aziridiny))ethyl methacrylate BPO/benzene/60°C benzalacetone AIBN/ethyl ether/60°C benzalacetone SnCl_4 0.3 mol/1 benzalacetone SnCl_4 0.3 mol/1 benzalacetophenone SnCl_4 0.5 mol/1 AIBN/ethyl ether/60°C; SnCl_4 0.6 mol/1 AIBN/ethyl ether/60°C benzalacetophenone SnCl_4 0.5 mol/1 benzalacetophenone SnCl_4 0.5 mol/1 benzalacetophenone SnCl_4 0.5 mol/1 AIBN/ethyl ether/60°C; SnCl_4 0.5 mol/1 AIBN/ethyl	88		AIBN/-/70°C			35				≡		
benzalacetone AIBN/ethyl ether/60°C benzalacetone AIBN/ethyl ether/60°C; benzalacetone AIBN/ethyl ether/60°C; benzalacetophenone AIBN/ethyl ether/60°C; benzalacetophenone AIBN/ethyl ether/60°C; benzalacetophenone AIBN/ethyl ether/60°C; benzalacetophenone AIBN/ethyl ether/60°C; SnCI, 0.3 mol./1 AIBN/ethyl ether/60°C; SnCI, 0.3 mol./1 AIBN/ethyl ether/60°C; benzalacetophenone AIBN/ethyl ether/60°C; SnCI, 0.3 mol./1 AIBN/ethyl ether/60°C; SnCI, 0.3 mol./1 AIBN/ethyl ether/60°C; SnCI, 0.5 mol./1 AIBN/ethyl ether/60°C;	59		BPO/benzene/60°C	0.53 ± 0.02	0.63 ± 0.04	36	0.504 ± 0.023	0.616 ± 0.031	0.002	-	0.876	
benzal acetone AIBN/ethyl ether/60°C; SnCI 4 0.3 mal/1 benzalacetone AIBN/ethyl ether/60°C; benzalacetophenone AIBN/ethyl ether/60°C; benzalacetophenone AIBN/ethyl ether/60°C; benzyl acetophenone AIBN/ethyl ether/60°C; benzyl acetophenone AIBN/ethyl ether/60°C; benzyl acetophenone AIBN/ethyl ether/60°C; benzyl acetophenone AIBN/ethyl ether/60°C; benzyl acrylate AIBN/ethyl ether/60°C; benzyl acrylate 2/-/60°C AIBN//80°C AIBN//80°C	8		AIBN/ethyl ether/60°C	2.02 ± 0.05	0.20 ± 0.05	33	2.187 ± 0.121	0.0779 ± 0.3511	0.248	_	0.011 \$	v
benzalacetone AIBN/ethyl ether/60°C; SnCI 4 0.6 mol/I benzalacetophenone AIBN/ethyl ether/60°C; benzalacetophenone AIBN/ethyl ether/60°C; benzalacetophenone AIBN/ethyl ether/60°C; SnCI 4 0.3 mol/I benzyl acrylate benzyl acrylate 3/-/60°C benzyl acrylate 3/-/60°C benzyl acrylate 3/-/60°C	2		AIBN/ethyl ether/60°C; SnCl ₄ 0.3 mol/l	1.51 ± 0.05	0.17 +0.05	37	1.332 ± 0.023	0.183 ± 0.109	0.010	_	0.026 s	v
benzalacetophenone AIBN/ethyl ether/60°C benzalacetophenone AIBN/ethyl ether/60°C; SnCl_4 0.3 mol/1 benzalacetophenone SnCl_4 0.3 mol/1 benzyl acrylate AIBN/ethyl ether/60°C; SnCl_4 0.6 mol/1 benzyl acrylate AIBN/-/60°C benzyl acrylate AIBN/-/60°C benzyl acrylate AIBN/-/60°C	95		AIBN/ethyl ether/60°C; SnCI 4 0.6 mol/l	1.31 ± 0.05	0.14 ± 0.05	33	1.126 ±0.050	0.141 ± 0.267	0.084	-	0.020 \$	w
benzalacetaphenone AIBN/ethyl ether/60°C; SnCI_4 0.3 mol/1 benzalacetaphenone AIBN/ethyl ether/60°C; SnCI_4 0.6 mol/1 SnCI_4 0.6 mol/1 benzyl acrylate ?/-/60°C benzyl acrylate ?/-/60°C AIBN/-/60°C 0.6 mol/1	ß		AIBN/ethyl ether/60°C	2.16 ± 0.05	0.19 ± 0.05	33	2.062 ± 0.114	0.407 ± 0.741	0.101	_	0.027	s
benzalacetophenone AIBN/ethyl ether/80°C; 5nCl ₄ 0.6 mol/1 benzyl acrylate AIBN/-/80°C benzyl acrylate ?/-/60°C benzyl acrylate AIBN/-/60°C	2		AIBN/ethyl ether/60°C; SnCI ₄ 0.3 mol/l	1.32 ± 0.05	0.16 + 0.05	33	1.515 ± 0.056	0.240 ± 0.480	0.073	_	0.016 s	•
benzyl acrylate AIBN/-/80°C benzyl acrylate ?/-/60°C benzyl acrylate AIBN/-/80°C	65		AIBN/ethyt ether/60°C; SnCI 4 0.6 mol/i	1.12 ± 0.05	0.13 ± 0.05	32	1.313 ± 0.034	0.121 ± 0.336	0.073	-	0.008	s
benzyl acrylate $2/-/60^{\circ}$ C benzyl acrylate AIBN/- $/60^{\circ}$ C	8		AIBN/-/60°C	0.55	0.20	20	0.490 ± 0.114	0.190 ± 0.133	0.163	-	0.339	
benzyl acrylate A18N/-/60°C	29		3/-/e0°C	0.52	0.23	38	0.418 ± 0.042	0.343 ± 0.128	0.037	-	0.413	
	88		A18N/-/60°C	0.5	0.25	36	0.522 ± 0.079	0.237 ± 0.055	0.035	_	0.649	

ž	No. 2 nd Manamer	Initiator / Solvent / Temp. ^O C	Original	(Ref.	Recalculated	loted	°.	Class	G Re-
}			•		<u>i</u>	-	1			STORY
69	benzylbenzylidene cyanoacetate	BPO/-/70°C	0.43	0	4				=	.
2	N-benzyl citraconimide	AIBN/THF/60°C	0.24 ± 0.06	0.0 + 0.05	4				Ξ	
7	benzylidene acetone	8PO/-/80°C	1.76 ± 0.10	01.76 ± 0.10 - 0.10 ± 0.10	42				Ξ	
72	benzylidene acetone	-/emulsion/80°C	1.70 ± 0.10	0+0.20	42				=	
23	benzylidene acetone	AIBN/ethyl ether/60°C	2.2	0.19	3	2.187 ± 0.121	0.078 ± 0.351	0.248	-	0.011 s
7.4	benzylidene acetone	AIBN/ethyl ether/60 ⁰ C; SnCl ₄ 0.2 mol/l	1.3	0.16	3	1.332 ± 0.023	0.183 ± 0.109	0.010		0.026 s
75	benzylidene acetone	AIBN/ethyl ether/60°C; SnCl ₄ 0.4 mol/1	:	0.13	3	1.126 ± 0.050	0.141 + 0.267	0.084	_	0.020 \$
76	benzylidene acetophenone	BPO/-/80°C	0.84 ± 0.05	0.0 + 0.1	45	0.850 ± 0.037	0.151 ± 0.330	0.096	-	0.020
7	benzylidene acetophenone	-/emulsion/80°C	0.90 ± 0.05	0+0.1	45				=	
78	benzylidene acetophenone	AIBN/ethyl ether/60°C	2.0	0.20	£	2.062 ± 0.114	0.407 ± 0.741	0.101	~	0.027 s
%	benzylidene acetophenone	AIBN/ethyl ether/60°C; SnCl ₄ 0.3 mol/1	1.5	0.17	\$	1.515 ± 0.056	0.240 ± 0.480	0.073	~	0.016 \$
80	benzylidene acetophenone	AIBN/ethyl ether/60°C; SnCl_4 0.6 mol/l	1.3	0.14	4	1.313 ± 0.034	0.121 ± 0.336	0.073		0.008
8	N-benzyl iso-maleimide	AIBN/dioxane/70°C	0.18	0.12	\$	0.151 ± 0.055	0.079 ± 0.050	0.232	€	0.590
85	N-benzyl maleimide	AIBN/THF/60°C	0.04	0.02	3				≡	
8	benzyl methocrylate	AIBN/-/60°C	0.34	0.53	4	0.315 ± 0.055	0.518 ± 0.061	0.021	-	0.927
8	benzył thioacrylate	AIBN/-/60°C	0.15	0.20	4	0.149 ± 0.046	0.172 ± 0.049	0.088	_	0.923
82	bis-1-methyl-2-chloropropyl fumarate	AIBN/-/60°C	0.25 ± 0.02	-0.05 + 0.01	84				≡	
8	N-bornyl maleimide	BPO/THF/50°C	0.13	0.05	6				Ξ	Đ
82	bornyl methacrylate	AIBN/bulk/60°C	0.49	0.44	જ	0.454 ± 0.323	0.503 ± 0.377	0.534	<u>()</u>	0.792 e,f
88	bornyl methacrylate	AIBN/-/60°C	0.49	0.44	51	0.454 ± 0.323	0.503 ± 0.377	0.534	<u>()</u>	0.792
8	i-bornyl methocrylate	AIBN/bulk/60°C	7.0	0.32	જ	0.613 ± 0.448	0.235 ± 0.295	0.915	Ξ	0.627 e,f
8	i-bornyl methacrylate	AIBN/-/60°C	0.70	0.32	15	0.613 ± 0.448	0.235 ± 0.295	0.916	Ξ	0.626
6	N-4-bromophenyl iso-maleimide	AIBN/THF/70°C	0.19	0.53	7	0.210 ± 0.435	0.845 ± 0.736	1.81	Ξ	0.496
92	p-bromostyrene	AIBN/-/30°C	09.0	<u>-</u>	25	0.674 ± 0.104	1.103 ± 0.146	0.020	_	0.819
8	m-bromostyrene	AIBN/-/30°C	0.55	1.3	ß	1.581 ± 0.156	0.482 ± 0.078	0.016	-	0.609 e,o

D. Braun, W. Czerwinski, G. Disselhoff, F. Tüdős, T. Kelen, and B. Turcsányi

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ž (No. 2 nd Monomer	Initiator / Solvent / Temp. ^O C	Original	12	Ref.	Recolculated	lated '2	%	C]	Q Re- marks
8	B-bromo vinylethylether	8PO/-/80°C	37.5 ± 2.0	0.02 ± 0.02	2				Ξ	
95	N-t-butyl acrylamide	?/propyl alcohol/?			55	1.895 ± 0.07	0.520 ± 0.041	0.003	-	0.525 m
%	N-t-butyl acrylamide	?/dioxane/?;ZnCl ₂		1	55	0.652 ± 0.035	1.025 ± 0.043	0.00	-	0.780 m
4		₹/-/40°C	0.75	0.15	8	0.747 ± 0.124	0.151 ± 0.251	0.776	_	0.171 \$
8		1/-/80°C	0.73	0.17	88	0.720 ± 0.095	0.179 ± 0.139	0,102	_	0.208
&	butylbenzylidene cyanoacetate	8PO/-/80°C	0.53	0	4				=	•
8	n-butyl B-butoxyacrylate	AIBN/-/60°C	78	10.0	28				=	o
101		AIBN/THF/60°C	0.21 ± 0.06	0.05 + 0.05	4				=	
102		AIBN/THF/60°C	0.32 ± 0.06	90.0 + 0.0	4	0.321 ± 0.211	0.060 ± 0.164	1.802	≘	0.244
8	N-tert-butyl citraconimide	AIBN/THF/60°C	0.46 ± 0.04	0.0 + 0.04	4	0.461 ± 0.087	0.038 ± 0.057	0.288	9	0.128
<u>5</u>	butyleneglycol mononitrate acrylate	A1BN/-/60°C	0.41	0.20	22	0.409 ± 0.067	0.215 ± 0.088	0.067	_	0.424 e
105	butyleneglycol mononitrate methacrylate	A1BN/-/60°C	0.37	0.40	22	0.354 ± 0.051	0.346 ± 0.076	0.031		0.579 e
901	i-butyl fumarate	A1BN/-/60°C	0.34 ± 0.03	0 + 0.01	8	(0.340 ± 0.037 0.352	-0.019 ± 0.029) 0		9	۵
107	N-n-butyl iso-maleimi de	AIBN/dioxane/70°C	0.37	90.08	4	0.384 ± 0.082	0.061 ± 0.056	0.197	_	0.243
8		AIBN/dioxane/70°C	0.44	0.11	4	0.420 ± 0.102	0.080 ± 0.067	0.202	_	0.315
60	N-tert-butyl iso-maleimide	AIBN/dioxane/70°C	0.54	0.07	4	0.442 ± 0.133	0.023 ± 0.083	1.084	Ξ	0.088
110		AIBN/benzene/50°C	0.025 ± 0.025 0.06 ± 0.02	0.06 + 0.02	88				Ξ	
Ξ	butyl methacrylate	BPO/-/60°C		ı	59	0.762 ± 0.173	0.281 ± 0.237	0.191	_	0.311
112	n-butyl methacrylate	3/-/60°C	0.52	0.43	38	0.530 ± 0.033	0.456 ± 0.050	0.007	_	0.654
113	n-butyl thioscrylate	AIBN/-/60°C	0.19	0.34	4	0.439 ± 0.140	0.421 ± 0.170	0.129	_	0.695
114	. tert-butyl thioacrylate	AIBN/-/60°C	0.21	0.45	4	0.157 ± 0.034	0.368 ± 0.055	0.032	_	0.802
115		AIBN/-/60°C	0.40	0.30	8	0.355 ± 0.119	0.243 ± 0.116	0.160	Ξ	699.0
116	2-tert-butyl-6-vinyl naphtalene	AIBN/benzene/60°C	0.61 + 0.03	1.00 ± 0.02	19	0.616 ± 0.069	1.014 ± 0.244	0.027	_	0.385
117	α-chloroacrolein	AIBN/-/60°C	0.078 ± 0.022	0.078 ± 0.022 0.18 ± 0.026	62	0.025 ± 0.052	0.147 ± 0.072	1.020	€	0.235
118	a Cachloroacrolein diacetate	A18N/-/60°C	4.6 ± 0.21	0.14 ± 0.018	62	3.82 ± 0.454	0.026 ± 0.086	0.393	_	0.037
119	α-chtoroacrolein dimethylacetai	AIBN/-/60°C	7.75 ± 0.076	7.75 ± 0.076 0.005 ± 0.036 62		$(8.131 \pm 0.331 \ 8.27$	-0.0282 ± 0.0409) 0		-	۵

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Ś	No. Z Monomer	Initiator / Solvent / Temp. "C	-	<u>-</u> 2	ا کو کو ک	(2	°	0 0 88 0	Q Re- marks
120	2-chloroacrylafdehyde	-/DMSO/60°C	90.0	0.18	જ	0.0332 ± 0.0158	0.152 ± 0.021	0.066	-	0.309
121	R-chloroacrylonifile	AIBN/-/60°C	9.0	0.13	2	0.128 ± 0.037	0.0287 ± 0.0245	0.237	€	0.307 n
122	3-chloro-2-chtoromethyt-1-propene	A18N/-/50°C	3.8	0.01	જ	3.373 ± 0.727	0.0088 ± 0.0988	2.432	≘	0.028 e
123	2-chloroethyl acrylate	AIBN/-/60°C	0.43	0.12	50	0.494 ± 0.198	0.135 ± 0.090	0.266	Ξ	0.663
124	chloromethyl methacrylate	AIBN/benzene/60°C	0.20	0.23	8	0.198 ± 0.016	0.290 ± 0.029	0.008	-	0.633
125	p-chloromethylstyrene	AIBN/benzene/60°C	0.72	1.31	67	0.621 ± 0.152	1.120 ± 0.199	0.043	≘	0.718
126	chloromethyl vinyl ketone	AIBN/-/60°C	0.13	0.52	8	0.1208 ± 0.0532	0.504 ± 0.094	0.082	_	0.422
127	4-(2-chlorophenyl)-azo-3-maleimido-N, N-dimethyl-aniline	AIBN/ DMF/50°C	0.05	0.04	8	0.0461 ± 0.0033	0.0461 ± 0.0033 0.0301 ± 0.0067 0.016	910.0	_	0.344
128	4-(2'-chlorophenyl)-azo-3-maleimido-N, N-dimethyl-aniline	AIBN/DMF/70°C	,		35				≡	
129	N-(4-chlorophenyl)citraconimide	AIBN/THF/60°C	0.17 ± 0.05	0.09 ± 0.07	7	0.168 ± 0.136	0.056 ± 0.115	1.679	Ξ	0.430
130	N-(4-chlorophenyl) iso-male imide	AIBN/THF/70°C	0.22	0.03	7	0.121 ± 0.140	0.221 ± 0.162	0.850	Ξ	0.690
131	N-(4-chlorophenyl)itaconimide	AIBN/THF/60°C	0.19 ± 0.05	0.32 ± 0.03	ო				Ξ	
132	N-(p-chlorophenyl)maleimide	AIBN/benzene/60°C	0.01 + 0.01	0.05 + 0.03	4				=	•
133	4-chlorophenyl methacrylate	AIBN/MEK/70°C	0.17	0.40	%	0.215 ± 0.113	0.423 ± 0.138	0.170	Ξ	0.665
134	4-chlorophenyl methacrylate	AIBN/MEK/70°C; $M_2/ZnCl_2 = 1$	%.0	0.46	%	0.215 ± 0.155	0.574 ± 0.201	0.252	Ξ	0.452
135	4-chlorophenyl methacrylate	AIBN/MEK/70°C	0.23	0.58	20	0.149 ± 0.135	0.767 ± 0.205	0.186	≘	0.436
136	4-chlorophenyl methacrylate	AIBN/MEK with ZnCl 2/70°C	0.21	0.48	2	0.195 ± 0.093	0.767 ± 0.123	9.00	≘	0.371
137	2-p-chlorophenyl-6-methyl pyridazin-3-one	AIBN/DMF/60°C	4.3	0	۲				Ξ	
138	m-chlorostyrene	AIBN/-/30°C			જ	2.274 ± 0.916	0.572 ± 0.276	0.194	≘	0.912 6,0
139	m-chlorostyrene	AIBM/-/70°C	0.79	1.10	72	0.554 ± 0.147	1.241 ± 0.212	0.045	_	0.777
140	p-chlorostyrene	AIBN/-/30°C	9.0	<u>:</u>	25	0.617 ± 0.124	1.083 ± 0.185	0.034	_	0.903
14	p-chlorostyrene	AIBN/-/70°C	0.62	1.35	72	0.713 ± 0.142	1.202 ± 0.224	0.037	_	0.992
142	p-chlorostyrene	AIBN/-/60°C	0.75	1.05	23	0.760 ± 0.359	1.060 ± 0.787	0.351	≘	0.549
143	p-chlorostyrene	redox/emulsion/60°C	0.75	1.05	73	0.744 ± 0.301	1.051 ± 0.451	0.159	_	0.932
<u>¥</u>	chromium tricarbonyl benzylacrylate	AIBN/ethyl acetate/60°C	0.34	0.10	74				≡	
145	chl a otrifluar oethylene	acetylperoxide/bulk or benzene /60 C	7.0	0.001	75				=	•

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:	pu	40 47	Original			Recolculated	peto	'	١.	
ģ	. Z Monomer	Initiator / Solvent / Temp. C	(-	2	Σ δ i.	<u>-</u>	12	δ ^ロ Closs	sso	G Re- marks
4	146 cinnamic acid	AIBN/benzene/60°C	1.85 ± 0.03	0	79				Ξ	
147	cinnamonitrile	BPO/-/90°C	0.9 ± 0.2	0.1 ± 0.1	14	$(0.887 \pm 0.634 -0.030 \pm 1.344)$ 0.892 0	-0.030 ± 1.344		Ξ	+ a
148	cinnamoyl azide	AIBN/-/60°C	0.93 ± 0.08 -0.7 ± 0.8	-0.7 ± 0.8	8				≡	
4	p-cresyl methacrylate	AIBN/MEK/70°C	0.19	0.75	%	0.205 + 0.137	0.774+0.205	0.177	Ξ	0.445
150	p-cresyl methacrylate	AIBN/MEK/70°C; Ma/ZnCl_= 1	0.18	0.7	69	0.204+0.148 0.791+0.221	0.791 + 0.221	0.203	9	0.367
151	crotonic acid	AIBN/-/60°C	28.	0	15	1				
152	crotonolactone	AIBN/-/60°C	8.5 ± 5.0	0	8				≡	
3	crotononitrile	BPO/benzene/60°C	24.0	0	8	23.12	-0.011) 0		9	α.
35	N-trans-crotonoyl aziridine	AIBN/dioxane/70°C	20	0	22				=	. •
155	B-cyanoacrolein	AIBN/THF/60°C	0.09	0	8				=	
35	B-cyanoacrolein	AIBN/THF/60°C	1		83				=	
157		AIBN/-/70°C	0.29 ± 0.02 -0.6 ± 1.0	-0.6 ± 1.0	ន				Ξ	
158	α-cyanocinnamamide	AIBN/DMF/70°C	0.73 ± 0.02	0.0 + 0.2	8	(0.683 ± 0.085 0.713	-0.097 ± 0.106		€	۵.
<u>85</u>	⊄-cyanocinnamamide	thermal/-/130°C	0.69 ± 0.04 -0.1 ± 0.3	-0.1 ± 0.3	8				=	
8	2-cyanoethyl acrylate	AIBN/-/60°C	0.40	0.13	8	0.396 ± 0.066	0.122 ± 0.081	0.111	Ξ	0.242
191	m-cyanostyrene	AIBN/-/30°C	0.39	0.97	ß	0.851 ± 0.534	0.363 ± 0.080	0.139	_	0.354 e, o
162	p-cyanostyrene	AIBN/-/30°C	0.19	1.2	25	0.240 ± 0.088	1.222 ± 0.280	0.084	Ξ	0.655
3	A-cyanovinyl acetate	AIBN/-/60°C	0.20 ± 0.04	0.16 + 0.04	28	0.181 ± 0.409	0.147 ± 0.033	0.051	_	0.986
3	cyclododecył acrylate	AIBN/-/60°C	0.52 ± 0.11	0.30 ± 0.03	82	0.474 ± 0.144	0.341 ± 0.147	0.131	Ξ	0.744
165	cyclododecyl acrylate	AIBN/benzene/60°C	0.60±0.06	0.33 ± 0.04	82	0.545 ± 0.084	0.309 ± 0.079	0.039	Ξ	0.492
<u>%</u>	cyclododecyl acrylate	AIBN/THF/60°C	0.51 ± 0.03	0.30 + 0.03	82	0.461 ± 0.070	0.301 ± 0.072	0.037	_	0.522
167	E-1-cyclohexenyl-E-caprolactam	?/benzene/60°C	2.0	98.0	88				=	
88	cyclohexyl acrylate	3/-/60°C	0.87	0.28	88	0.885 ± 0.102	0.254 ± 0.141	0.064	_	0.219
169	cyclohexyl acrylate	AIBN/-/60°C	0.60±0.03	0.16 ± 0.03	85	0.532 ± 0.113	0.159 ± 0.126	0.167	9	0.278
170	cyclohexyl acrylate	AIBN/benzene/60°C	0.67 ± 0.03	0.18 ± 0.03	82	0.701 ± 0.125	0.166±0.088	0.095	Ξ	0.263

Ž	No. 2 nd Monomer	Initiator / Solvent / Temp. ^O C	Original	2.	ن کو ک و	Recalculated	lated 7	2	Class	o .	Re- marks
171	cyclohexyl acrylate	AIBN/THF/60°C	0.60+0.03	0.15+0.03	85	0.583+0.095	0.181+0.068	190.0	9	0.400	
172	cyclohexylbenzylidene cyanoacetate	8PO/-/70°C	4.0		\$	ı	I		=		4
173	N-cyclohexyl maleimide	AIBN/THF/60°C	0.00	0.07	\$				=		
174	cyclopent-4-en-1,3-dione	AIBN/benzene/50°C	$\begin{array}{c} 0.015 \pm 0.015 \ 0.4 \pm 0.35 \\ 0.024 \end{array}$	5 0.4 + 0.35 0.415	48				• =		ч- в
175	p-decylstyrene	no/tetraline/200°C	1.07 ± 0.15	1.05 + 0.17	88	0.880 ± 0.225	0.256 ± 1.315	1.315	≘	0.049	۵
176	diamino vinyl triazine	AIBN/DMSO/60°C	1.3	0.65	&	1.104 + 0.157	0.538 + 0.141	0.037	_	0.767	4
12	di-n-amyl itaconate	AIBN/benzene/60°C	0.34 ± 0.02	0.52 ± 0.02	8	0.317 ± 0.108	0.333 ± 0.197	0.201	≘	0.651	
178	trans–dibenzoyl ethylene	AIBN/benzene or dioxane/ 50 - 70 C	1	ı	16		ı		=		
179	2, 4-dibromo styrene	no/~/30°C	0.22 ± 0.05	1.40 ± 0.15	92	0.145 ± 1.611	0.909 + 2.882	35.32	9	0.267 a,f,t	0, f, f
8	N, N-di-n-butylacrylamide	AIBN/-/50°C	1.65 + 0.03	0.32 ± 0.02	83	1.600 + 0.058	0.294 + 0.058	0.007	-	0.179	
181	di-i-butyl fumarate	AIBN/-/60°C	0.50 ± 0.03	0+0.01	8		$\frac{-0.018 \pm 0.023}{0}$		9		٥
182	di-n-butyl itaconate	AIBN/benzene/60°C	0.40 + 0.05	0.38 ± 0.02	8	0.403 ± 0.100	0.294 ± 0.142	0.121	Ξ	0.555	
8	di-(tert-butyl per <i>ox</i> y)fumarate	di-(i-propyl peroxy)dicarbo- nate/bulk/40°C	0.59 + 0.2	-0.10 -0.02 ± 0.02	8				≡		• -
84	184 trans-(di-p-chlorobenzoyl)ethylene	AIBN/-/50-70°C	•		6	0.0357 + 0.0091 0.280 + 0.102	0.280 ± 0.102	0.093	-	0.617	
185	N, N-diethyl acrylamide	AIBN/dioxane/60°C	1.2	0.2	95				=		~ o
186	m-diethylaminoethylstyrene	AIBN/toluene/60°C	1.0	1.0	96	1,198 + 0,275	1.211 + 0.258	0.049	Ξ	0.942	
187	p–diethylaminoethylstyrene	AIBN/toluene/60°C	1.24	0.59	%	1,119 ± 0.189	0.589 ± 0.188	0.054	≘	0.627	
188	diethyl fumarate	AIBN/-/60°C	0.31 ± 0.02	0.05 + 0.02	8	(0.307 ± 0.049 0.317	-0.018 ± 0.033)		Ξ		۵
189	diethyl itaconate	AIBN/benzene/60°C	0.30 ± 0.02	0.33 + 0.03	8	0.146 ± 0.086	0.269 ± 0.200	0.440	Ξ	0.790	
8	diethyl methacryloyl malonate	AIBN/benzene/60°C	0.17 ± 0.05	0.26 ± 0.05	26	0.101 ± 0.124	0.208 ± 0.145	0.858	€	0.461	
191	diethy! methylenemalonate	AIBN/-/60°C	0.03	90.0	2	0.0126 ± 0.0102	0.0126 ± 0.0102 0.0510 ± 0.0212	0.327	Ξ	0.512	_
192	diglycidyl(1,2-dimethyl-cyclohex-3-ene) dicarboxylate-1,5	AIBN/-/60°C	17.2	0	88				Ħ		

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	Z .	No. 2 nd Monomer	Initiator / Solvent / Temp. ^O C	Origina	-(2	Ref. o.	Recalculated	lated r2	00	Closs	O Re- marks
~	193 5, 24	5, 6-dihydro-2, 6-dimethyl-3-vinyloxycarbonyl- 2H-pyrane	AIBN/-/60°C	13	0	8	(12.17 ± 4.165 13.12	-0.114 ± 0.446)		€	<u>a</u>
_	194 5,	5, 6-dihydro-2, 6-dimethyl-3-vinyl-2H-pyrane	AIBN/-/60°C	6.0	0	8	0.982 + 0.337	0.130 + 0.667	1.761	€	. 0.064
_	195 2,	2,3-dihydrofurane	8PO/bulk/80°C	20.7 ± 2	0.043 ± 0.005 101	101	(19.13 ± 2.55 20.00	-0.049 ± 0.096) 0		_	v 0.
_	1% 1,	1,1-dihydro-perfluoro-butylacrylate	BPO/-/50°C	0.33	0.07	102	0.330 + 0.055	0.029 + 0.036	0.207	3	0.140
_	197 tro	trans-(di-p-methoxy-benzoyl)ethylene	AIBN/-/50-70°C			6	ì	•		Ξ	+
-	ž 861	N-(3-dimethylaminophenyl)maleimide	AIBN/DMF/50°C	0.03	0.19	88	0.0253 ± 0.0078 0.182 ± 0.16	0.182 ± 0.16	0.028	_	0.309
-	198 F	m-dimethylamino styrene	AIBN/-/30°C	<u></u>	0.661	જ	1.027 ± 0.248	0.617 ± 0.264	0.103	_	0.582
7	Ž 08	N-1, 1-dimethyl-butyl acrylamide	?/propanol/?		,	55	2.250 ± 0.168	0.528 ± 0.079	0.011	_	0.506 m
7	ż	N-1, kdimethyl-butyl acrylamide	?/dioxane/?; ZnCl,	,	•	22	0.732 ± 0.093	0.973 ± 0.106	0.014	_	0.843
2	202 (2	(2, 2-dimethyl-1, 3-dioxolan-4-yl)methyl acrylate	BPO/toluene or DMF/50°C	0.389 ± 0.04	0.17 ± 0.02	ន	0.378 ± 0.167	0.151 ± 0.202	0.593	≘	0.373 f
~	203 [(2	[(2,2-dimethyl-1,3-dioxolan-4-yl)methyl]methyl fumarate	BPO/tolvene or DMF/50°C	0.17 ± 0.05	0	8	(0.165±0.065 0.167	-0.017 ± 0.276) 0		€	 С
7	204 4 x	4-(2, 2-aimethyl-1, 3-aioxolan-4-yl)methyl itoconate	BPO/toluene or DMF/50°C	0.14 ± 0.01	0.18 ± 0.04	103	0.134 ± 0.009	0.126 ± 0.059	0.032	_	0.211 f
7	205 1,	1, 1- dimethyl-1{2-hydroxypropyl}-2- methacryl hydrazinium chloride	AIBN/cellosolve/60°C	0.35	0.33	104	104 0.309 ± 0.101	0.372 ± 0.293	0.257	9	0.400
2	ğ 200	dimethyl itaconate	AIBN/benzene/60°C	0.32 ± 0.02	0.25 ± 0.02	8				Ξ	
~	207 6,	6,8-dimethyl-4-oxo-5-chromanyl methyl acrylate	AIBN/benzene/80°C	0.70	0.32	105	0.705 ± 0.086	0.297 ± 0.067	0.028	-	0.561
74	Ž 88	N-1, 1-dimethyl-pentyl acrylamide	?/propanol/?	1		22	2.552 ± 0.223	0.547 ± 0.098	0.016	_	0.495 m
N	ž &	N-1,1-dimethyl-pentyl acrylanide	?/dioxane/?; ZnCl ₂		ı	22	0.814 ± 0.006	1.023 ± 0.007	0.00	_	0.887
.7	Z10 X	N-1, 1-dimethyl-propyl acrylamide	?/propanol/?	ı	,	22	2.07 ± 0.096	0.521 ± 0.048	0.004	_	0.509 ₪
W	2] X	N-1, 1-dimethyl-propyl acrylamide	?/dioxane/?; ZnCl ₂	1		22	0.686 ± 0.085	0.994 ± 0.101	0.012	_	0.805 m
14	212 N	N, N' -dimorpholyl fumaramide	AIBN/methanol/60°C	1.20	0.0	38				=	
8	213 N	N, N'-dimorpholyl fumaramide	AIBN/methanol, $ZnCl_2/M_2 = 2:1/60^{\circ}C$	1.00	0.0	5				=	
7	214 N	N, N′-dimorpholyl fumaramide	AIBN/dimethylacetamide/60°C			8				=	

ż	. 2 nd Monamer	Initiator / Solvent / Temp. ^O C	Original	(2	Z &	Recalculated 1	oted 7	ి	Closs	G Re- marks	!
215	trans-(di-m-nitrobenzoyl)ethylene	AIBN/?/50-70°C	,		16				Ξ		
216	di-n-octyl itaconate	AIBN/benzene/60°C	0.35 ± 0.03	0.60 ± 0.02	8				Ξ		
217	3-(2, 4-di oxo-5-methyl-1, 2, 3, 4- hetrahydropyrimidin-1-yl)-propion-4- vinylonilid	AIBN/DMF/60°C	0.71	1.67	201	0.680 + 1.076	1.648+1.833	1.760	ĝ	0.740 s,t	
218	3- (2, 4-dioxo-1, 2, 3, 4-tetrahydro- pyrimidin-1-yl)propion-4-vinylanilid	AIBN/DMF/60°C	0.74	90.1	107	0.912 + 0.148	1.126 + 0.145	0.022	-	0.711	
219		no/-/110°C	0.34	0	38	0.334 + 0.024	0.0060+0.0414	0.493	Ξ	910.0	
220	N, N'-dipiperidinyl fumaramide	AIBN/benzene/60°C	1.0	0.0	8	ļ	l		Ξ		
22		AIBN/THF/60°C	•		8	0.991 ± 0.517	0.0106 ± 0.2487	12.235	Ξ	0.023	
222	di-n-propyl itaconate	AIBN/benzene/60°C	0.25 ± 0.03	0.41 ± 0.04	8	0.140 ± 0.097	0.292 ± 0.152	0.361	Ξ	0.713	
223	N-(4-ethoxycarbonylphenyl)citraconimide	AIBN/THF/60°C	0.16 ± 0.04	0.014 ± 0.04	7		-0.017 ± 0.040) 0		Ξ	۵	
224	N-(4-ethoxycarbonylphenyl)itaconimide	AIBN/THF/60°C	0.24 ± 0.03	0.12 ± 0.04	က	0.220 ± 0.072	0.095 ± 0.062	0.213	≘	0.509	
225	N-(4-ethoxycarbonylphenyl) iso-maleimide	AIBN/THF/70°C	0.12	0.56	_	0.0251 ± 0.1108	0.433 ± 0.180	1.84	€	0.103	
226		A18N/-/50°C	1.08	0.74	8	0.982 ± 0.189	0.706 ± 0.140	0.038	€	0.955 u	
22/	ethyl acrylate	AIBN/-/60°C	0.77	0.17	8	0.696 ± 0.159	0.134 ± 0.097	0.164	≘	0.333	
228	ethyl acrylate	2/-/60°C	0.77	0.17	38	0.780 ± 0.074	0.167 ± 0.064	0.036	-	0.277	
53	ethyl acrylate	AIBN benzene/50°C; $[M_1]+[M_2]=3 \text{ mol/}$	0.79	0.18	110	0.790 ± 0.081	0.158 ± 0.046	0.030	_	0.371	
230	ethyl acrylate	AIBN/benzene/50°C; $[M_1]+[M_2]= 5 \text{ mol/}$	0.78	0.19	9	0.753 ± 0.041	0.179 ± 0.022	0.007	_	0.418	
ន	N-(p-ethylbenzoic)maleimide	AIBN/benzene/60°C	0.02 ± 0.01 0.1 ± 0.07	0.1 ± 0.07	4				=	Đ	
232	ethyl C-benzylacrylate	AIBN/~/60°C	0.0	0.78	Ξ	0.136 ± 0.168	0.899 ± 0.203	0.279	≘	0.178	
83	ethyl α-bromoacrylate	AIBN/-/60°C	90.0	0.50	2	0.0195 ± 0.0422		0.385	<u>:</u>	0.085 n	
234	ethyl A-chloracrylate	A18N/-/60°C	90.0	0.30	2	0.0795 ± 0.0730 0.315 ± 0.109	0.315 + 0.109	0.318	≘	0.458	
235	ethyl α-(3-chlorobenzyl)acrylate	AIBN/-/60°C	0.03	1.16	Ξ				≡		
236	ethyl α-(4-chlorobenzyl)acrylate	A18N/-/60°C	0.02	0.98	Ξ	0.0430 ± 0.0867 1.028 ± 0.129	1.028 ± 0.129	0.253	€	0.063	
237	ethylcinnamate	AIBN/benzene/75°C	2.7 ± 0.3	0.05	112				Ξ		

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ž	No. 2 nd Monomer	Initiator / Solvent / Temp. ^O C	Original	2	. S. S.	Recalculated	lated 7	°	Class	G Re- marks
238	N-ethyl citraconimide	AIBN/THF/60°C	0.24 ± 0.05	0.0 + 0.05	4				Ξ	
239	ethyl A-(4-cyanobenzyl)acrylate	AIBN/-/60°C	0.05	0.62	Ξ	0.0629 ± 0.0519 0.648 ± 0.087	0.648 ± 0.087	0.11	Ξ	0.190
240	ethyleneglycol mononitrate acrylate	AIBN/-/60°C	0.48	90.0	23	0.480 ± 0.059	0.0446 ± 0.0645	0.177	-	0.065 e
24]	ethyleneglycol mononitrate methacrylate	AIBN/-/60°C	0.35	0.49	22	0.362 ± 0.052	0.511 0.146	0.041	_	0.643 e
242	ethyl ß-ethoxyacrylate	8PO/-/80°C	23.5 ± 1	0	2				Ξ	
243	ethyl A-ethoxyacrylate	AIBN/-/60°C	24	0.01	28				=	E
24	2-ethylhexyl acrylate	3/-/60°C	0.72	0.10	88	0.739 ± 0.026	0.061 ± 0.058	0.034	-	90.03
245	2-ethylhexyl benzylidene cyanoacetate	BPO/-/80°C	0.59	0	\$				=	4-
246	3-ethylidene-acetylacetone	AIBN/-/60°C	9.0	0	64	(6.082 ± 1.940 6.593	-0.076 ± 0.199		Ξ	٥
247	N-ethyl iso-maleimide	AIBN/dioxane/70°C	0.36	0.23	4	0.331 ± 0.129	0.236 ± 0.114	0.189	Ξ	0.845
248	ethyl a-(4-methoxybenzyl)acrylate	AIBN/-/60°C	0.13	29.0	Ξ	0.245 ± 0.174	0.758 ± 0.228	0.216	≘	0.367
249	ethyl A-(4-methylbenzyl)acrylate	AIBN/-/60°C	0.11	89.0	Ξ	0.377 ± 0.298	0.708 ± 0.243	0.313	9	0.338
250	N-4-ethylphenyl iso-maleimide	AIBN/THF/70°C	0.20	0.03	7	0.215 ± 0.139	0.050 ± 0.104	1.350	Ξ	0.341
251	ethyl thioacrylate	AIBN/-/60°C	0.19	0.28	47	0.180 ± 0.038	0.291 ± 0.075	0.054	_	0.767
252	B-ethyl thioethyl methocrylate	AIBN/-/50°C	0.42	0.51	113	0.399 ± 0.028	0.496 ± 0.031	0.005	_	0.910 e
233	ethyl vinyl ketone	AIBN/-/80°C	0.7 ± 0.09	0.12 ± 0.02	=	0.716 ± 0.044	0.210 ± 0.026	0.008	-	0.553
254	ethyl vinyl ketone	AIBN/-/60°C	0.45	0.31	9	0.300 ± 0.155	0.319 + 0.079	0.128	≘	0.601 n
255	trans-19-ferrocenyi-acrylonitrile	AIBN/-/80°C	ı		115				=	
256	ferrocenylmethyl acrylate'	AIBN/benzene/70°C	2.30 ± 0.3	0.02 ± 0.01	116	116 (1.887 ± 0.460 1.978	-0.047 ± 0.065) 0		Ê	٩
257	ferrocenylmethyl methacrylate	AIBN/benzene/70°C	3.7 ± 0.2	0.03 ± 0.02	116	$(3.666 \pm 0.393$ 3.933	-0.032 ± 0.027) 0		≘	۵
258	ferrocenylmethyl methacrylate	\radiation/benzene/25°C	0.35	0.46	117	0.368 ± 0.023	0.427 ± 0.029	0.004	_	0.883
259	p-(fluoromethyl)styrene	AIBN/acetonitrile/60°C	0.44	1.3	118	0.474 ± 0.151	1.399 ± 0.236	0.054	_	0.636
260	formaldehyde-S-vinyl-S'-methyl mercaptal	AIBN/-/60°C	4.25	0.23	119	4.234 ± 0.563	0.230 ± 0.194	0.112	_	0.151 f
261	formaldehyde-S-vinyl-S'-phenyi mercaptal	AIBN/-/60°C	4.22	0.23	119	4.751 ± 0.470	0.288 ± 0.153	0.053	_	0.165 f
292	formaldehyde-S-vinyl-S'-i-prapyl mercaptal	A18N/-/60°C	4.65	0.21	61	4.845 ± 0.536	0.214 ± 0.249	0.129	_	0.101 f

9	No. 2 Monomer	Initiator / Solvent / Temp. °C		2)	 Š Š	Recalculated 1	lated r2	00	Class	Q Re- marks
263	fumaranitrile	-/chloroform/60°C	0.23 +0.1	0.01 + 0.1	22				=	
264	fumaronitrile	BPO/-/79°C	0.09 + 0.05	0.0	121				=	
265	fumaronitrile	BPO/CHCI_/49.6°C	0.30 + 0.02	0.00+0.02					Ξ	
799	fumaronitrile	1/ethanol/25°C	0.14 + 0.006	0.14 + 0.006 0.004 +0.0 05 123	123				Ξ	
267	fumaronitrile	Y/dichloroethane/25°C	•		123				=	
268	fumaronitrile	-/-/25°C			124				Ξ	
269	fumaronitrile	-/acetone 0,5 ml/25°C	ı	ı	124				≡	
220	fumaronitrile	-/acetone 3.75 ml/25°C	í		124				≣	
1/2	fumaronitrile	-/acetone 12 ml/25°C			124				=	
272	fumaronitrile	-/acetone 12 ml/70°C	•		124				=	
g	fumaronitrile	-/anisole 12 ml/25°C	•		124				=	
274	N, N' -fumaroyl dipyrrolidone	AIBN/DMF/60°C	1		8				≡	
202	N, N'-fumaroyl dipyrrolidone	AIBN/DMSO/60°C	1	,	8				Ξ	
9/2	N, N'-fumaroyl dipyrrolidone	AIBN/dimethylacetat/60°C	0.11	0.0	8				Ξ	
112	fumaryí chloride	no/-/27°C	0.04	0.0	125				=	
8/2	glycidyl aflyl sulphonate	AIBN/-/60°C	50+5	0.02	126				=	
523	glycidył methacrylate	AIBN/-/60	0.45 ± 0.001	0.55 ± 0.002	127	0.450 ± 0.019	0.548 ± 0.033	0.003	_	0.695
780	glycidyl (1-methyl-cyclohex-3-ene) carboxylate-1	A18N/-/100°C	21	0	86				Ξ	
281	glycidyl methyl itaconate	AIBN/-/60°C	0.41	0.10	128	0.376 ± 0.036	0.0410 ± 0.0793	0.185		0.035
282	glycidyl vinylsulfanate	AIBN/totuene/100°C	1.19 ± 0.11	0.03 + 0.08	23				Ξ	
283	heptafluoro-i-propyl methacrylate	AIBN/bulk/60°C	0.082	0.061	130				Ξ	
284	2, 4-hexadiene-1-ylacrylate-1T-tricarbonyl iron	AIBN/benzene/80°C	1.81	0.26	13	1,907 ± 0.143	0.253 ± 0.024	0.00	-	0.849
285	hexylbenzyl idene cyanoacetate	BPO/-/70°C	0.42	0	4				=	
386	N-n-hexyl citraconimide	AIBN/THF/60°C	0.43 ± 0.04	0.02 ± 0.03	4				Ξ	
282	N-n-hexyl maleimide	AIBN/THF/60°C	0.00	90.0	45				Ξ	
288	8-hydroxy-1-anilinapropyl methocrylate	AIBN/~/60°C	0.23	0.46	132	0.241 ± 0.054	0.444 ± 0.121	0.08	-	0.838
900	1	JOUR TOTAL	7	85 0	133	0 218 ± 0 230	274+0 445	;	=	

D. Braun, W. Czerwinski, G. Disselhoff, F. Tüdős, T. Kelen, and B. Turcsányi

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ź	No. 2 nd Monomer	Initiator / Solvent / Temp. ^O C	Original	(_2	. Sef.	Recalculated	lated 7	ر د	Class	۵ م
									ľ	
280	8-hydroxy-1-anilinoprapyl methacrylate	A18N/benzene/60°C	0.19	0.75	132	0.155 ± 0.064	0.808 ± 0.146	0.075	_	0.474
8	2-hydroxyethyl acrylate	BPO/benzene/60°C	0.38 ± 0.02	0.34 ± 0.03	፠	0.321 ± 0.033	0.301 + 0.040	0.014	_	0.748
292	2-hydroxyethyl methocrylate	AIBN/-/60°C	0.33	0.85	133	0.330 ± 0.015	0.856 + 0.020	0.001	_	0.578
283	B-hydroxy-Y-(N-methylanilino)propyl methacrylate	AIBN/-/60°C	0.3	4.0	132	0.307 ± 0.051	0.453 ± 0.065	0.024	_	0.764
3		AIBN/benzene/60°C	0.26	0.74	132		0.733 ± 0.123	0.034	_	0.876
295		AIBN/benzens/60°C	0.21	0.37	132	0.226 ± 0.077	0.367 ± 0.107	0.099	_	0.789
967		AIBN/-/60°C	0.39	0.40	132	0.375 ± 0.032	0.407 ± 0.059	0.012	_	0.654
282	8-hydroxy	AIBN/benzene/60°C	0.58	0.82	132	0.562 ± 0.493	1.233 ± 2.720	1.935	£	0.313
862	hydroxypropyl acrylate	BPO/benzene/60°C	0.45 ± 0.03	0.36 ± 0.03	38	0.428 ± 0.025	0.339 ± 0.029	0.002	_	0.645
8	4-iodostyrene	AI BN/benzene/50°C	0.45 ± 0.02	1.03 ± 0.05	134	0.485 ± 0.093	1.044 ± 0.159	0.029	_	0.738
30	N-iso-propenyl-N', N'-ethyleneurea	AIBN/THF/60°C	15.7 ± 0.8	0.01 + 0.03	135	17.46 ± 3.27	0.027 ± 0.116	0.795	Ē	0.057
30	itaconic acid	AIBN/dioxane/60°C	0.50	1	15				=	
302	itaconic anhydride	BPO/THF/65°C	0.100	0.60	136	0.072 ± 0.037	0.449 ± 0.095	0.109	Ξ	0.376
303	itaconic anhydride	BPO/benzene/80°C	0.015	0.78	136				≡	
ğ	itaconic anhydride	?/benzene/70°C	0.018 ± 0.003 0.53 ± 0.1	0.53 ± 0.1	137				=	σ
305	N-lauramidoethyl acrylamide	AIBN/benzene/80°C	0.24 ± 0.07	0.88 ± 0.02	138	0.218 ± 0.171	0.921 ± 0.274	0.234	≘	0.359
8	maleaidehyde	AIBN/benzene/70°C	0.08 ± 0.03	0.30 ± 0.05	139	0.277 ± 0.337	0.410 ± 0.416	1.233	€	0.678
307	maleic anhydride	BPO/acetone/50°C	9.04	0.015	5	0.0304 ± 0.0134	0.0304 ± 0.0134 0.0225 ± 0.0165	0.326	Ξ	0.529 e,n
308	malaic anhydride	BPO/-/50°C	0.019	0.0	₹	(0.012 ± 0.005 0.012	-0.016 ± 0.186) 0		Ξ	۵
306	maleic anhydride	Cu(II)chelate/-/40°C	0.012	0.035	142				≡	e'u
310	maleic anhydride	8PO/-/60°C	•		5				=	Ε
31	maleic anhydride	BPO/benzene/40°C	ı		<u>₹</u>				=	
312	maleic anhydride	BPO/DMSO/60°C			<u>₹</u>				=	Ε
313	maleic anhydride	BPO/methyl ethyl ketone/60°C	0.05	0.0	<u>5</u>				=	
314	maleic anhydride	BPO/chloroform/60°C			₹				=	Ε

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Ž	. 4 Monomer	Initiator / Solvent / Temp. "C	-	22	٠ کو چو	1-	, rolled 7	00	Class	o	Parks
315	315 maleic onhydride	AIBN/DMSO/60°C	55	0	145				=		0
316	maleimide	AIBN/cyclohexanone/75°C	0.1	0.1	4	0.062+0.028	0.075+0.049	0.30	Ξ	0.684	
371		AIBN/-/50°C	9.84	0.28	147	0.790 + 0.121	0.210 + 0.072	0.052	≘	0.486	
318		AIBN/bulk/60°C	0.76	0.23	84	0.866 + 0.747	0.205 + 0.062	0.259	Ξ	0.396	
319		AIBN/benzene/50°C	0.49	0.32	149	I	ı		Ξ		
320		hv, BPO/THF/30°C	0.08 + 0.10	0.20 ± 0.05	55	0.131 ± 0.047	0.196 ± 0.070	0.123	Ξ	.00	
331	(-)-3-menthy! methacrylate	AIBN/bulk/60°C	0.53	0.58	148	0.548 ± 0.082	0.550 ± 0.125	0.034	_	0.554	
322	-	AIBN/-/60°C	0.596	0.812	151	0.607 + 0.188	0.907 ± 0.223	0.076	-	0.792	
323		AIBN/-/60°C	0.22 ± 0.02	0.88 ± 0.02	152	0.166 ± 0.038	0.832 ± 0.093	0.026	-	0.536	
324	1-methacrylamido-1-deoxy-D-glucitol	BPO/H ₂ O-methanol/50°C	0.005	2.09	7	0.003 + 0.015	2.057 ± 0.146	0.401	_	0.01	
325		AIBN/-/60°C	0.14+0.01		15				Ξ		
326		BPO/benzonitrile/60°C	0.30 ± 0.01	0.21 ± 0.01	23	$(0.350 \pm 0.012$	-0.0545 ± 0.0275)	8			•
327	methacrylonitrile	BPO/benzene/60°C	0.29 ± 0.01 0.35 ± 0.07	0.23 ± 0.01 0.23 ± 0.03	ন্ত	0.239 ± 0.078	0.252 + 0.072	0.093		0.633	ه عد
328	328 methacrylonitrile	BPO/benzyl alcohol/60°C	$\begin{array}{c} 0.14 \pm 0.05 \\ 0.16 \mp 0.07 \end{array}$	0.39 + 0.01	8	0.210 ± 0.050	0.340 ± 0.103	0.072	-	0.839	و عـ
33	methocrylonitrile	BPO/acetonitrile/60°C	0.30 + 0.01	0.18+0.01	153				Ξ		
88	methocrylonitrile	plosma ind./bulk/22.5°C	0.34	0.2	3	0.234 ± 0.139	0.169 ± 0.146	0.512	€	0.623	
ឌ	α-methacrylaphenan	BPO/-/75°C	0.12 ± 0.35	0.18 ± 0.50	155	0.243 ± 0.106	0.254 ± 0.130	0.223	Ξ	0.859	
332	B-methacryloxy ethyl diphenyl thiophosphinate	8PO/-/70°C	0.467	0.380	35	0.442 ± 0.051	0.329 ± 0.045	0.016	-	0.888	
333	N-methacryloyl aziridine	AiBN/dioxane/70°C	0.47	0.41	72	0.521 ± 0.085	0.347 ± 0.073	0.034	-	0.815	•
334	N-(methacryloyl)pyrrolidone	AIBN/benzene/60°C	1.40	0	157				=		
335		AIBN/DMF/70°C	1.10	0.27	158				=		
38	&-methoxyacrylonitrile	AIBN/-/60°C	0.53	0.35	38	0.534 ± 0.069	0.312 ± 0.054	0.022	-	0.687	
337	N-4-methoxyphenyl citraconimide	AIBN/THF/60°C	0.21 ± 0.04	0.0 + 0.04	7				Ξ		
338	N-4-methoxyphenyl iso-maleimide	AIBN/THF/70°C	0.16	0.16	7	0.091 ± 0.129	0.121 ± 0.133	1,570	Ξ	0.823	
339		AIBN/-/30°C	0.7	1.7	જ	1.742 ± 0.456	0.661 ± 0.232	0.092	-	0.783	•
8	methacrylic acid	A1BN/dioxane-methonol/60°C	0.45	0.47	8	0.533 ± 0.036	0.486 ± 0.036	0.002	-	0.912	

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Š	No. 2 nd Monomer	Initiator / Solvent / Temp. ^O C	Origina	- (2	Ž. Š	Recalculated	ated r ₂	000	Closs	G. Per sage
					l			 		
343	341 methacrylonitrile	AIBN/-/50°C	0.30 + 0.01	0.24+0.01	191	0.283 + 0.025	0.247 + 0.024	0.008	_	0.922
342	342 methacrylanitrile	AIBN/-/50°C	0.35±0.03		79	0.271 ± 0.045	0.178±0.061	0.057	~	0.467 M = B, B-dideute-
343	343 methacrylonitrile	BPO/acetonitrile/60°C	0.30 + 0.01	10.0 + 81.0	153				Ξ	.
344	methacrylonitrile	8PO/benzonitrile/60°C	0.30 ± 0.01	0.21 ± 0.01	153				Ξ	
345	N-(4-methoxyphenyl)citraconimide	AIBN/THF/60°C	0.21 ± 0.04	0.0 + 0.04	7				Ξ	
346	4-methoxystyrene	AIBN/-/60°C	1.13	0.93	162	1.146 ± 0.968	1.015 ± 1.360	1.132	€	0.777
347	4-methoxystyrene	AIBN/-/30°C	1.0	0.85	25	1.544 ± 1.064	1.078 ± 0.965	0.617	≘	0.915
348	3-methoxystyrene	AIBN/-/30°C	0.7	1.7	53	1.742 ± 0.456	0.661 ± 0.232	0.092	_	0.783 e,o
349	methyl acrylate	?/toluene/60°C	0.74	0.18	38	0.640 ± 0.099	0.147 ± 0.046	0.048	_	0.489
350	methyl acrylate	redox/emulsion/50°C	1.02 ± 0.14	0.17 ± 0.025	25	0.928 ± 0.183	0.165 ± 0.039	0.047	≘	0.705 γ
351	methyl atropate	AIBN/-/60°C	0.055	1.0	8	0.0222 ± 0.0392	0.403 ± 0.144	0.633	€	0.177 e,n
352	methyl benzylacrylate	AIBN/-/65°C	0.59 ± 0.05	0.17 ± 0.03	<u>\$</u>	0.565 ± 0.0844	0.161 ± 0.062	0.058	_	0.379 f
353	methylbenzylidene cyanoacetate	BPO/-/70°C	0.45	0	4				=	4-
354	methyl Q-bromoacrylate	AIBN/-/60°C	0.04	1.16	165				Ξ	o
355	methyl α-n-butylacrylate	AIBN/-/65°C	0.80 ± 0.05	0.20 ± 0.05	<u>3</u>	0.668 ± 0.213	0.211 ± 0.158	0.239	9	0.374 f
326	methyl α-sec-butylacrylate	AIBN/-/65°C	2.25 ± 0.05	0	<u>3</u>	2.198	-0.0552 ± 0.0649)		Ξ	- С
357	methyl a-i-butylacrylate	A18N/-/65°C	0.96 ± 0.05	0.20 ± 0.03	16	0.972 ± 0.089	0.166 ± 0.069	0.038	_	0.218 f
358	methyl N-carbamyimaleamate	BPO/aceton/70°C	6.0	0	38				Ξ	
359	methyi A-chloroacrylate	AIBN/-/60°C	0.01	0.84	165				=	
360	N-methyl citraconimide	8PO/-/60°C	$0.135 \pm 0.065 \ 0.24 \pm 0.08$	0.24 ± 0.08	167	0.0721 ± 0.0556	0.0721 ± 0.0556 0.0606 ± 0.0831 1.056	1.056	Ξ	999.0
361	methyl crotonate	BPO/benzene/60°C	26.0	0.01	80				=	
362	methyl A-cyanocrotonate	AIBN/bulk/70°C	0.346	-0.083	88	0.354 ± 0.079	-0.097 ± 0.159		≘	> 0.
363	363 3,4-methylenedioxybenzyl methacrylate	TBB/cyclohexanone/30°C	0.40	99.0	69	0.697 ± 1.184	1.337 ± 1.059	1.345	Ξ	0.530
364	364 methyl ethacrylate	AIBN/-65°C	0.82 ± 0.08	0.21 ± 0.02	<u>%</u>	0.833 ± 0.097	0.191 ± 0.053	0.032	~	0.466 f
365	\(\alpha \) \(\text{methylene glutaronitrile} \)	persulfat-bisulfit/emulsion/25°C	0.45	0.00	170				≡	

Mail of the control	ž	No ond Monomer	0 11 13/ 111/	Original		:		Recolculated				
N-methy de-chaoy core AlbN/decenonitile/s0°C 0.62 0.15 171 0.655±0.170 0.163±0.181 0.179 0.184 0		. c monutes	initiator / Solvent / Temp. C		2)	 	15	1 1	S	- 1	o	morks
N-methyl incloane AlBN/sloxane/2°C 1.65 ± 0.08 0.26 44 0.266 ± 0.135 0.088 ± 0.0411 N-methyl incloane AlBN/sloxane/2°C 36 0.26 44 0.269 ± 0.135 0.185 ± 0.138 0.425 methyl incloane AlBN/sloxane/2°C 36 0.26 172 37.30 ± 24.16 0.072 ± 0.185 0.08 methyl incloane AlBN/sloxane/2°C 0.32 142 0.269 ± 0.13 0.264 0.02 0.03 0.185 ± 0.13 0.08 methyl methocrylate AlBN/sloxane/2°C 0.32 0.44 173 0.522 ± 0.29 0.26 0.03 0.03 0.08 0.00 0.00 0.00 0.00 0.02 0.00 <td>386</td> <td>methyi α-fluoroacrylate</td> <td>AIBN/acetonitrile/80°C</td> <td>0.62</td> <td>0.15</td> <td>171</td> <td>0.655 ± 0.170</td> <td>0.163 ± 0.113</td> <td>0.179</td> <td></td> <td>0.408</td> <td>80</td>	386	methyi α-fluoroacrylate	AIBN/acetonitrile/80°C	0.62	0.15	171	0.655 ± 0.170	0.163 ± 0.113	0.179		0.408	80
N-methyl intolease methyl methocrylate AlBN/sjoxone/γ°C 0.26 0.26 172 37.30 ± 24.16 0.185 ± 0.186 0.40 172 37.30 ± 24.16 0.182 ± 0.05 0.06 172 37.30 ± 24.16 0.182 ± 0.05 0.06 0.06 172 37.30 ± 24.16 0.072 ± 0.05 0.06 0.06 172 37.30 ± 24.16 0.072 ± 0.05 0.06 0.06 172 37.30 ± 24.16 0.072 ± 0.05 0.06 0.06 172 37.30 ± 24.16 0.072 ± 0.05 0.06 0.06 0.06 0.02 0.06 172 0.30 ± 2.07 0.06 0.02 0.06 172 0.32 ± 0.07 0.06 0.02 0.06 0.02 0.06 0.02 0.06 0.02 0.06 0.02 0.06 0.02 0.06 0.02 0.06 0.02 0.06 0.02 0.06 0.02 0.06 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.0	82		AIBN/-/65°C	1.65 ± 0.05	0	<u> 2</u>	(1.606 ± 0.135 1.661	-0.0385 ± 0.0411) 0	_	Ξ		ئ •
methyl methocrylate AlBN/-/x80 ^C AlBN/-/x80 ^C Cu(1)-horlyperoxidae/-/100 ^C B. 22	88		AIBN/dioxane/70°C	0.26	0.26	4	0.269 ± 0.156	0.185 ± 0.138	0.432		0.817	
Maily methacy methy m	88		t-buty[peroxide/-/130°C	38	0	172	37.30 ± 24.16	0.0724 ± 0.9655			0.048	w w
Mainty methacrylate Mainty Maintacrylate Mainty Mainty Maintacrylate Mainty M	320		AIBN/-/60°C	0.52	0.46	13	0.522 ± 0.291	0.482 + 0.075		-	0.293	<u>«</u>
methyl methacrylate AlBN/ benzene/80°C 0.51 1.54 1.25 0.530 ± 0.00°C 0.518 ± 0.10°C 0.518 0.54 1.25 0.427 ± 0.10°C 0.518 0.54 1.29 0.427 ± 0.10°C 0.518 0.54 1.29 0.427 ± 0.10°C 0.017 methyl methacrylate AlBN/ benzane/80°C 0.515 0.45 1.2 0.427 ± 0.10 0.519 ± 0.00 0.457 ± 0.10 0.519 ± 0.00 0.457 ± 0.10 0.519 ± 0.00 0.457 ± 0.10 0.519 ± 0.00 0.457 ± 0.10 0.519 ± 0.00 0.457 ± 0.10 0.519 ± 0.00 0.457 ± 0.10 0.519 ± 0.00 0.451 ± 0.51 0.451 ± 0.51 0.451 ± 0.51 0.451 ± 0.51 0.451 ± 0.51 0.451 ± 0.51 0.451 ± 0.51 0.451 ± 0.51 0.451 ± 0.00	2		Cu(II)chelate/-/100°C	0.42	0.32	142	0.392 ± 0.113	0.207 ± 0.161	0.224	_	0.360	
methyl methocrylate AlBN/dioxane/80°C 0.443 0.54 132 0.427±0.014 0.539±0.069 0.001 methyl methocrylate 7/-/40°C 0.515 0.45 38 0.580±0.060 0.492±0.083 0.01 methyl methocrylate AlBN/benzane/80°C - - 174 0.612±0.516 1.784±4.365 2.844 methyl methocrylate AlBN/benzane/80°C 0.44±0.034 175 0.44±0.036 0.49±0.041 0.05 0.00 0.00 0.00 methyl methocrylate AlBN/benzane/80°C 0.44±0.034 0.39±0.034 175 0.44±0.036 0.49±0.041 0.45±0.039 0.00 methyl methocrylate AlBN/benzol/80°C 0.44±0.034 0.49±0.041 0.45±0.030 0.324±0.039 0.01 methyl methocrylate AlBN/penzol/80°C 0.49±0.03 0.49±0.041 0.45±0.03 0.49±0.043 0.45±0.03 0.49±0.03 0.00 methyl methocrylate AlBN/penzol/80°C 0.49±0.03 0.49±0.03 0.49±0.03 0.49±0.03 0.49±0.03 0.49±0.03 0.49±0.03 0.49±0.0	77		AIBN/benzene/60°C	0.51	0.57	132	0.530 ± 0.076	0.518 ± 0.108	0.030	-	0.686	9
methyl methocrylate 7/-66°C 0.515 0.45 38 0.580±0.060 0.42±0.083 0.17 0.01 methyl methocrylate AIBN/ benzene/60°C	33	-	AIBN/dioxane/60°C	0.43	0.54	132	0.427 ± 0.104	0.539 ± 0.069	0.03	-	0.589	ο.
methyl methocrylate AIBN/ benzene/80°C	74		?/-/%°C	0.515	0.45	88	0.580 ± 0.060	0.492 ± 0.083	0.017	-	0.553	
MRN methocrylate AIBN / banzane/80°C 0.57 ± 0.035 175 0.586 ± 0.023 0.477 ± 0.014 0.001 MBN / banzane/80°C 0.44 ± 0.054 0.39 ± 0.054 175 0.434 ± 0.029 0.395 ± 0.029 0.005 methyl methocrylate AIBN / banzanitrile/80°C 0.44 ± 0.045 0.39 ± 0.054 0.457 ± 0.044 0.455 ± 0.029 0.017 methyl methocrylate AIBN / banzanitrile/80°C 0.44 ± 0.045 0.49 ± 0.045 175 0.434 ± 0.049 0.017 methyl methocrylate AIBN / 50°C ZnCl Z 0.49 ± 0.049 177 0.454 ± 0.049 0.352 ± 0.039 0.013 methyl methocrylate AIBN / 50°C ZnCl Z 0.49 ± 0.03 177 0.454 ± 0.104 0.435 ± 0.029 0.015 methyl methocrylate AIBN / 50°C ZnCl Z 0.49 ± 0.03 177 0.454 ± 0.101 0.435 ± 0.029 0.015 methyl methocrylate AIBN / 50°C ZnCl Z 0.49 ± 0.03 177 0.454 ± 0.101 0.435 ± 0.029 0.015 methyl methocrylate AIBN / 50°C ZnCl Z 0.49 ± 0.03 177 0.454 ± 0.134 0.045 ± 0.025 0.045 methyl methocrylate AIBN / 50°C ZnCl Z 0.49 ± 0.03 177 0.334 ± 0.040 0.352 ± 0.03 0.054 ± 0.05 methyl methocrylate AIBN / 50°C ZnCl Z 0.40 ± 0.08 0.15 ± 0.00 177 0.330 ± 0.053 0.104 ± 0.05 0.104 ± 0.05 0.054 ± 0.00 0.00 ± 0.00 ± 0.00 ± 0.00 ± 0.00 ± 0.00 ± 0.00 ± 0.00 ± 0.00 ± 0.00 ± 0.00 ± 0.00 ± 0.00 ± 0.00 ± 0.00 ± 0.00 ± 0.00 ± 0.00 ± 0.	22		AIBN/benzene/60°C	,	ı	174	0.612 ± 0.516	1.294 ± 4.365	2.84		0.237	۷ ،
methyl methacrylate AIBN/benzyl alcohol/80°C 0.44±0.054 0.39±0.054 175 0.49±0.026 0.49±0.045 0.49±0.045 175 0.49±0.024 0.39±0.029 0.007 methyl methacrylate AIBN/benzylate AIBN/penzylate 0.48±0.045 0.49±0.045 175 0.49±0.046 0.45±0.045 0.49±0.045 0.40±0.09 0.017 methyl methacrylate CT-complex/-/80°C C.60±0.09 0.49±0.03 176 0.49±0.04 0.35±0.02 0.015 methyl methacrylate AIBN/-/50°C ZnCl 0.49±0.03 0.45±0.01 177 0.49±0.02 0.016 methyl methacrylate AIBN/-/50°C; ZnCl 0.49±0.03 0.25±0.02 177 0.49±0.03 0.016±0.00 </td <td>276</td> <td>_</td> <td>AIBN/ benzene/60°C</td> <td>0.57 ± 0.032</td> <td>0.46 ± 0.032</td> <td>175</td> <td>0.586 ± 0.023</td> <td>0.477 + 0.014</td> <td>0.00</td> <td>-</td> <td>0.717</td> <td>9 2</td>	276	_	AIBN/ benzene/60°C	0.57 ± 0.032	0.46 ± 0.032	175	0.586 ± 0.023	0.477 + 0.014	0.00	-	0.717	9 2
methyl methacrylate AIBN/benzonitrile/60°C 0.48 ± 0.045 0.49 ± 0.045 175 0.497 ± 0.084 0.465 ± 0.080 0.017 AIBN/phenzol/60°C 0.35 ± 0.02 0.35 ± 0.02 175 0.334 ± 0.040 0.332 ± 0.039 0.013 The complexy-late CT-complexy-late CT-complexy-late CT-complexy-late AIBN/-late CT-complexy-late CT-complexy-late CT-complexy-late CT-complexy-late CT-complexy-late CT-complexy-late CT-complexy-late CT-com	22	methyl methocrylate	AIBN/benzyl alcohol/60°C	0.44 ± 0.054	0.39 ± 0.054	175	0.434 ± 0.029	0.395 ± 0.028	0.00	-	996.0	9
Mail	82		AIBN/benzonitrile/60°C	0.48 ± 0.045	0.49 ± 0.045	175	0.497 ± 0.064	0.465 ± 0.060	0.017	-	0.998	ψ 20
methyl methacrylate CT-complex/-/80°C a.49±0.09 0.49±0.08 176 0.69±0.495 0.69±0.09 0.49±0.09 0.69±0.09 0.69±0.09 0.00 0.20±0.00 0.49±0.00 0.49±0.00 0.49±0.00 0.49±0.00 0.49±0.00 0.49±0.00 0.49±0.00 0.25±0.01 177 0.429±0.10 0.436±0.029 0.016 a.848±0.05 a.948±0.05 a.848±0.05 a.849±0.05 a.840±0.05 a	2		AIBN/phenol/60°C	0.35 ± 0.02	0.35 ± 0.02	175	0.334 ± 0.040	0.352 ± 0.039	0.013	_	0.985	9
Make	8		CT-complex/-/60°C	0.60 + 0.09	0.48 ± 0.08	176	0.694 ± 0.458	0.495 ± 0.204	0.272		0.730	0
MMA = 0.05	8	methyl methacrylate	AIBN/-/50°C	0.47 ± 0.03	0.45 ± 0.01	13	0.429 ± 0.101	0.436 ± 0.029	0.016	-	0.269	•
MMA = 0.15	82	_	AIBN/-/50 [°] C; ZnCl ₂ / MMA = 0,05	0.49 ± 0.03	0.25 ± 0.02	13	0.466 ± 0.124	0.232 ± 0.023	0.026	_	0.405	~
MMA = 0.2 MMA = 0.4 MMA	8		AIBN/-/50 ^O C; ZnCl ₂ / MMA = 0.15	0.41 ± 0.1	0.23 ± 0.05	12	0.394 ± 0.345	0.110±0.046	9.366		0.512	~
methyl methacrylate AIBN/ $-/50^{\circ}$ C; ZnCl Z MAMA = 0.25 MAMA = 0.40 MAMA = 0	8	methyl methacryłate	AIBN/-/50°C; ZnCl ₂ / MMA = 0.2	0.37 ± 0.06	0.15 ± 0.02	1	0.327 ± 0.193	0.134 ± 0.036	0.159		0.476	•
methyl methacrylate MAMA = 0.40 MAMA = 0	82		AIBN/-/50 ^o C; ZnCl _Z / MMA = 0.25	0.40 ± 0.08	0.10+0.01	171	0.330 ± 0.053	0.0826 + 0.0071		_	0.603	
methyl methocrylate AIBN/dioxane/60°C 0.58 0.52 178 0.636 \pm 0.220 0.624 \pm 0.170 0.095 methyl methocrylate χ' /-25°C 80 kV/cm 0.42 \pm 0.040 0.040 \pm 0.04 179 0.401 \pm 0.109 0.461 \pm 0.194 0.097	8		AIBN/-/50 ^O C; ZnCl _Z / MMA = 0.40	0.25 ± 0.03	0.056 ± 0.003	13	0.211 ± 0.114	0.0357 ± 0.0131			0.703	m
methyl methacrylate $\chi'/-25^{\circ}C$ 0.52±0.05 0.49±0.05 179 0.562±0.484 0.470±0.469 0.859 methyl methacrylate $\chi'/-25^{\circ}C_{2}$ 80 kV/cm 0.42±0.04 0.40±0.04 179 0.471±0.109 0.461±0.194 0.097	82		AIBN/dioxane/60°C	0.58	0.52	178	0.636 ± 0.220	0.624 ± 0.170	0.095		0.793	en
methyl methyamylate $\chi / - /25^{\circ}C_{c}$ 90 kV/cm 0.42 ± 0.04 0.40 ± 0.04 179 0.471 ± 0.109 0.461 ± 0.194	88		1/-/25°C	0.52 ± 0.05	0.49 ± 0.05	179	0.562 ± 0.484	0.470 ± 0.469	0.859		0.874	*
	8		1/-/25°C; 80 kV/cm	0.42 ± 0.04	0.40 ± 0.04	13	0.471 ± 0.109	0.461 ± 0.194	0.097	-	0.548	80

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2	ρυ' 14	-0	Original	2	1:	Recolculated	loted				1
2	. 4 Modumer	Initiator / solvent / lemp.	(-	,2	- 2 2	12	,2	°		G .	Re- marks
330	methyl methacrylate	1/-/20°C	0.52 ± 0.05	0.49 ± 0.05	13	0.449 ± 0.355	0.489 ± 0.144	0.233	Ξ	0.474	
33	methy! methacrylate	1/-/50°C; 80 kV/cm	0.42 ± 0.04	0.40+0.04	179	0.376 ± 0.503	0.379 ± 0.206	0.728	_	0.478	-
392		AIBN/benzene, 0 Volt/40°C	0.512	0.474	8	0.506 ± 0.051	0.494 ± 0.065	0.013	_	0.610	
393	methyl methacrylate	AIBN/benzene, 200 Volt/40°C	0.632	0.403	180	0.711 ± 0.113	0.407 ± 0.061	0.024	_	0.850	
394	methyl methacrylate	AIBN/benzene, 400 Voit/40°C	0.925	0.387	<u>8</u>	0.957 ± 0.122	0.327 ± 0.080	0.031	-	0.526	
395		AIBN/benzene/60°C	0.52 ± 0.03	0.47 + 0.04	183	0.494 ± 0.028	0.420 ± 0.026	0.00	-	0.938	
396		AIBN/chlorobenzene/60°C	0.48 ± 0.05	0.50 ± 0.03	8	0.448 ± 0.038	0.484 ± 0.040	0.007	_	0.971	
397	methy! methocrylate	AIBN/benzonitrile/60°C	0.38 ± 0.62	0.62 ± 0.03	18	0.404 ± 0.045	0.608 ± 0.052	0.010	_	0.785	
398		plosma init./bulk/room temp.	0.57 ± 0.01	0.41 ± 0.01	182	0.533 ± 0.103	0.385 ± 0.080	0.040	_	0.963	
38	methyl methacrylate	AIBN/benzonitrile/60°C	4		8	0.373 ± 0.108	0.607 ± 0.128	0.062	€	0.721	
8	methyl methocrylate	AIBN/chlorobenzene/60°C	1		쯊	0.482 ± 0.199	0.509 ± 0.208	0.168	≘	0.985	
104	methyl methacrylate	AiBN/benzene/60°C			쯆	0.501 ± 0.169	0.413 ± 0.154	0.126	≘	0.927	
405	methyl a-methoxyacrylate	AIBN/-/60°C	1.10	0.51	159	1.131 ± 0.078	0.513 ± 0.058	0.008	_	0.576	
8	methyl G-naphthylketoxime ocrylate	AIBN/-/50°C	,	,	<u>8</u>				Ξ		-
404	methyl phenylacrylate	AIBN/-/65°C	0.03 ± 0.02	0.4 ± 0.2	<u>2</u>				=		
405	N-(4-methylphenyl)citraconimide	AIBN/THF/60°C	0.22 ± 0.04	0.0+0.04	7				≣		
\$	N-(4-methylphenyl)itoconimide	AIBN/THF/60°C	0.15 ± 0.05	0.23 ± 0.03	က	0.129 ± 0.068	0.211 ± 0.092	0.230	€	196.0	
407	N-4-methylphenyl iso-maleimide	AIBN/THF/70°C	0.27	0.01	7				=		
80		AIBN/DMF/60°C	5.4	0	7				Ξ		
60	_	AIBN/-/65°C	0.86 ± 0.08	0.22 ± 0.04	5	0.796 ± 0.103	0,163 ± 0,057.	0.045	_	0.418 f,n	f, n
410		AIBN/-/65°C	1.85 ± 0.07	0	<u>₹</u>	(1.735 ± 0.23 1.748	-0.010 ± 0.093) 0		9		 О.
14	411 N-methylpyrodazinone	AIBN/DMF/60°C	8.43	0.01	185	7.637 ± 1.222 7.950	-0.077 ± 0.177) 0		9		۵.
412	412 G-methylstyrene	8PO/-/60°C	1.20 ± 0.1 1.17 ∓ 0.03	$\begin{array}{c} 0.35 \pm 0.1 \\ 0.15 \mp 0.02 \end{array}$	38	1.184 + 0.123	0.094 + 0.049	0.054	-	0.265	Z Z
413	413 K-methylstyrene	AIBN/-/60°C	1.0	0.15	182	0.960 ± 0.075	0.0132 ± 0.1188	7.031	_	0.012	_
414	414 CC-methylstyrene	0√-/90°C	1.09	0.3	187	1.086 ± 0.067	0.0644 ± 0.0573	0.055	_	0.104	
415	α-methylstyrene	no/-/110°C	1.13	0.4	187	1.071 ± 0.028	0.035 ± 0.0254	0.020	_	9. 8	

			,	· 2	((-	2	3	,
			2	انو		2		ļ	marks
416 α-methylstyrene	no/-/150°C	1.2	8.0	_		-0.019 ± 0.045)		5	
417 a-methylstyrene	AIBN/toluene, dimethylphtalate/	1 12		8		0 476 + 0.088	0.013	≘ _	0.485 u
M-mathy etherana	X S O /cumanton(H O)/40°C	: ,		2) -	1		=	<u> </u>
o-mathy tytene	2-2-8	83			0.826 + 0.096	0.982 + 0.100	0.012	_	0.763
N-methyl-3-vinyl carbazole	AIBN/benzene/60°C	0.741 + 0.007			0.735 + 0.067	1,404+0.146	0.00	-	0.795
methyl vinyl ketone	AIBN/acetonitrile-ethanol/60°C	0.23			0.235 ± 0.021	0.413 ± 0.025	90.0	-	0.762
methyl vinyl ketone	AIBN/ethanol/60°C	0.20	0.46		0.194 + 0.016	0.457 ± 0.021	0.004	_	0.629
methyl vinyl ketone	AIBN/acetonitrile/60°C	0.26	0.41		0.260 ± 0.012	0.407 + 0.014	0.002	_	0.821
methyl vinyl ketone	AIBN/dioxane/60°C	0.30	0.40		0.288 ± 0.016	0.361 ± 0.013	0.002	-	0.533
methyl vinyl ketone	AIBN/-/60°C	0.27	0.40		0.233 ± 0.024	0.344 ± 0.019	9.00	-	0.507
2-methyl-N-vinylimidazole	AIBN/bulk/60°C	8.97 ± 0.10	0.069 ± 0.025	. 761	8.770 ± 0.714	0.051 + 0.039	0.063	_	0.115
2-methyl-N-vinylimidazole	AIBN/bulk/60°C	8.66 ± 0.02 9.4	0.10 ± 0.01		8.725 ± 2.272	0.097 ± 0.130	0.352	_	0.196 e
428 N-(x-methyl-vinyl) indazole	AIBN/-/70°C	0.75	0.5	94	0.782 ± 0.127	0.520 ± 0.173	0.542	_	0.471 e
manabutyl maleate	BPO/aceton/60°C		ı	195				Ξ	
monobutyl maleate	BPO/acetane/60°C	0.77	-0.02	195				Ξ	
monobutyl maleate	BPO/bulk/60°C			195				Ξ	
monomethyl maleate	BPO/acetan/60°C	0.60	-0.05	195				Ξ	
monomethyl maleate	BPO/acetone:methanol/60°C	0.95	-0.03	195				Ξ	
monomethyl maleate	BPO/3 mol methanol:1 mol M ₂ / 60°C		1	195				Ξ	
435 monomethyl maleate	BPQ/1 mol methanol:1 mol M ₂ / 60°C	ı	1	195				Ξ	
436 N-1-naphthyl maleimide	AIBN/THF/60°C	0.15	0.0	961				Ξ	
ß-nitrostyrene	BPO/-/80°C	4.0	0	167				≡	*,*
N-n-octylacrylamide	AIBN/-/50°C	2.7 ± 0.1	0.2 ± 0.05		2.715 ± 0.244	0.258 ± 0.119	0.041	-	0.189
439 N-tert-octylacrylamide	AIBN/benzene/50°C	2.8 ± 0.1			2.991 ± 1.744	0.202 ± 0.524	1.515	≘	0.182
octyl acrylate	3/-/40°C	0.41			0.391 ± 0.112	0.0145 ± 0.5325	10.52	≘	0.00
	A can ide in the interest of t	I carbazole sne sne sne sne sne sne sne sne Ilmidazole Ilmidazole te te te ate ate ate ate ate ate ate a	No. 1.50°C	1.2	No.	1.1	1.2 0.8 187 1.18 ± 0.067 1.18 1.18 ± 0.067 1.18 ± 0.	Allay/calcure, dimethy/phtclate, 1.2 0.8 187 1.18 ± 0.047 0.043 Allay/calcure, dimethy/phtclate, 1.12 0.43 188 1.396 ± 0.089 0.475 ± 0.088 Allay/calcure, dimethy/phtclate, 1.12 0.43 188 1.396 ± 0.089 0.475 ± 0.088 Allay/calcure, dimethy/phtclate, 1.12 0.43 188 1.396 ± 0.089 0.475 ± 0.088 Allay/calcure, dimethy/phtclate, 0.83 0.94 190 0.324 ± 0.08 0.475 ± 0.08 Allay/calcure, dimethy/phtclate, 0.23 0.41 0.03 0.324 ± 0.02 0.146 ± 0.146 Allay/calcure, dimethy/phtclate, 0.24 0.04 0.0 0.324 ± 0.02 0.146 ± 0.08 Allay/calcure, dimethy/phtclate, 0.24 0.04 0.0 0.324 ± 0.02 0.146 ± 0.08 Allay/calcure, dimethy/phtclate, 0.24 0.04 0.0 0.324 ± 0.02 0.147 ± 0.03 Allay/calcure, dimethy/phtclate, 0.25 0.41 0.0 0.324 ± 0.02 0.147 ± 0.03 Allay/calcure, dimethy/phtclate, 0.25 0.41 0.0 0.324 ± 0.02 0.147 ± 0.03 Allay/bulk/gd°C	1.2 0.8 187 1.189 ± 0.067 0.4019 ± 0.045 ABIN/Jouleure, dimethylphridate/ ABIN/Admisteriole

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ģ	No. 2 nd Monomer	Initiator / Solvent / Temp. ^O C	Original	(5	Ref	Recolculated	ulated	80	Class	Œ	۔ وٰے
			-	ı	9	-	•				
;	-	-00// 1. / 1481 A			5				3		
Ĩ	44: IN-oxyemyl matermiae	Albiv/memanol/ou C	1.04 + 0.02	10.0	2	110.0 ± 0.00 1 10.0 ± 10.01	0.002/ ± 0.0039		3		0
442	442 N-oxymethyl maleimide	AIBN/dioxane/60°C	0.01 ± 0.01	0.06 ± 0.03	861				≡		
4	4-oxypropylstyrene	A18N/-/50°C	0.50 ± 0.05	0.56 ± 0.05	8	0.475 ± 0.339	0.403 ± 0.758	1,343	Ξ	0.423	
44	p-(2-oxy-n-propyl)-styrene	AIBN/dioxane/?	0.97	0.91	90	0.986+0.502	0.940 ± 0.448	0.243	≘	0.992 e,n	e,n
445	4-CIPd(PBu,) ,-styrene	AIBN/benzene/55°C	0.149+0.01	0.45+0.02	201	1.335 + 0.297	0.357 + 0.180	0.112	-	4	
4	3 4 pentaerythritol trinitrate acrylate	AIBN/-/60°C	0.38	0.26	202	0.497 + 0.158	0.325 + 0.190	0.186	€	0.569	
4	perdeutero methacrylanitrile	AIBN/-/50°C	0.39 + 0.03	0.25 ± 0.02	191	0.304 ± 0.173	0.183 ± 0.224	0.697	Ξ	0.461 M ₌ (8, B-dideu- terostyrene)	M ideu- rene)
8	448 phenylacethylene	A1BN/-/60°C	0.34 ± 0.01	•	203	0.327 ± 0.031	0.327 ± 0.02	0.082	-	0.196	
4 4	449 N-phenyl citraconimide	AIBN/THF/60°C	0.18 ± 0.04	0.004 ± 0.05	7	(0.165 ± 0.033 0.176	-0.017 ± 0.026) 0		Ξ		٩
35	N-phenyl iso-maleimide	AIBN/THF/70°C	0.25	0.26	7	0.201 ± 0.386	0.226 ± 0.369	3.15	Ξ	0.756	
451	N-phenyl iso-maleimide	AIBN/dioxane/70°C	0.0	0.05	4	0.052 ± 0.026	0.042 ± 0.025	0.300	≘	0.853	
452	N-phenyl itaconimide	AIBN/THF/60°C	0.14 ± 0.03	0.12 ± 0.03	က	0.103 ± 0.093	0.093 ± 0.094	0.916	Ξ	0.878	
453	N-phenyl maleimide	AIBN/benzene/60°C	0.05 ± 0.05	0.13 ± 0.05	4				=		е, п
\$	N-phenyl maleimide	AIBN/THF/60°C	0.08 ± 0.05	0.12 ± 0.05	198				=		
455	N-phenyl maleimide	AIBN/-/35°C	0.012	0.047	202				Ξ		
456	phenyl methacrylate	AIBN/MEK/70°C	0.43	0.32	%	0.404 ± 0.133	0.301 ± 0.117	0.127	-	0.955	
457	phenyl methacrylate	AIBN/MEK,70°C; $ZnCI_{\gamma}/M_{p}=1$	0.10	0.45	69	0.216 ± 0.116	0.405 ± 0.146	9.1%	Ē	0.732	
458	phenyl methacrylate	AIBN/MEK,no ZnCly/70°C	0.41	0.31	02	0.397 ± 0.141	0.297 ± 0.123	0.147	Ξ	0.958	
459	phenyl methacrylate	AIBN/MEK with ZnCI 770°C	0.12	0.39	20				Ξ		
8	2-phenyl-6-methyl pyridazin-3-one	AIBN/DMF/60°C	4.7	0	7				Ξ		
194	2-phenyl-6-methyl pyridazin-3-one	AIBN/DMF/60°C; BF ₃ OEt ₂ = 0.2 mol/l	7.10	0.01	205				Ξ		
462	propargy) acetate	AIBN/-/60°C	53.0	0.00	20%	(46.10 ± 22.16 47.95	-0.043 ± 0.409)		9		۵
3	463 i-propeny -4-acetamidoani lino-amino-s-triazine	A1BN/DMSO/60°C	0.40	0.52	202		0.519 ± 0.102	0.038	-	0.967	-

	Ž	No. 2nd Monomer	70 1 / ten 1-3 /	Original	inal	١.	Recolculated	ulated		;	1	۱.
4.88Ay June 4.88Ay June 4.88Ay June 6.34 6.34 6.35 + 6.28 6.256 + 6.28 7.264 + 6.28 7.27 1.70 6.08 1.70 6.09 7.38 + 6.28 7.27 + 6.00 7.38 + 6.28 7.27 7.27 7.28 7.24 7.00			minder / solveni / lemp.		1	٠. چ ک	7	1 1	ធ		3	marks
1. prograph/4 contropantine control co	\$		AIBN/-/60°C	0.37	0.95		0.356 + 0.329	0.786+1.457	1.710	9	0.382	
Propeny -4-cnifino-anilino-tritatine AlBN/DMSO/s6°C 0.36 0.57 0.78 0.58 0.51 ± 0.097 0.51 ± 0.085	465		AIBN/-/60°C	20.0	0.91		0.599 + 0.070	0.599 + 0.410	0.080	-	0.180	
2-ipogeanyl-4-canilino-4-triazine AlBN/DMSO/s0°C 0.39 0.78 0.28 0.42±0.130 0.89±0.199 0.00 2-ipogeanyl-4-canilino-4-triazine AlBN/DMSO/s0°C 0.22 1.17 208 0.24±0.130 1.30±0.589 0.02 2-ipogeanyl-4-canilino-6-triazine AlBN/DMSO/s0°C 0.29 1.37 20 0.275±0.084 1.317±0.222 0.03 2-ipogeanyl-4-canilino-6-triazine AlBN/DMSO/s0°C 0.29 0.29 0.29 0.29 0.275±0.084 1.317±0.222 0.03 2-ipogeanyl-4-canilino-6-triazine AlBN/DMSO/s0°C 0.22 0.28 0.29 0.275±0.084 1.317±0.222 0.03 2-ipogeanyl-4-canilino-6-triazine AlBN/DMSO/s0°C 0.22 0.29 0.29 0.275±0.084 1.317±0.222 0.03 2-ipogeanyl-4-canilino-6-triazine AlBN/DMSO/s0°C 0.22 0.29 0.24±0.087 0.710±0.125 0.03 2-ipogeanyl-4-canilino-6-triazine AlBN/DMSO/s0°C 0.21 2.05 0.24±0.08 0.24±0.08 0.720+0.09 0.720+0.09 0.720+0.09 2-ipogeanyl	\$		AIBN/DMSO/60°C	0.46	0.50	202	0.427 ± 0.087	0.511 + 0.092	0.036	-	0.883	
2-i-propenyl-4-omitio-6-dimenty/amilion-1- inicarine AIBN/DMSO/60°C 0.29 1.17 208 0.240±0.312 1.130±0.589 0.677 2-i-propenyl-4-omitio-6-K-menty/amilino-1- inicarine AIBN/DMSO/60°C 0.29 1.39 209 0.295±0.084 1.317±0.222 0.034 2-i-propenyl-4-omitio-6-K-menty/amilinol-1- tricarine AIBN/DMSO/60°C 0.29 0.29 0.29 0.294±0.087 0.710±0.122 0.034 2-i-propenyl-4-omilino-6-(m-minoanilinol-1- tricarine AIBN/DMSO/60°C 0.29 0.29 0.29 0.294±0.087 0.710±0.125 0.037 2-i-propenyl-4-omilino-6-(m-nitroanilinol-1- tricarine AIBN/DMSO/60°C 0.22 2.05 209 0.134±0.087 0.717±1.79 0.054±0.189 0.037 2-i-propenyl-4-omilino-6-(m-nitroanilinol-1-tricarine AIBN/DMSO/60°C 0.22 2.05 209 0.134±0.087 0.714±0.024 0.704±0.139 0.704 0.169 2-i-propenyl-4-omilino-6-(m-nitroanilinol-1-tricarine AIBN/DMSO/60°C 0.23 0.64 209 0.144±0.024 0.704±0.034 0.704 0.704 0.704 0.704 0.704	467		AIBN/DMSO/60°C	0.39	0.78	208	0.423 ± 0.130	0.895 ± 0.196	0.088	-	0.792	ø
2i-propenyl-4-onilino-6-fivamethylanilino-1-princine AlBN/DMSO/60°C 0.29 1.39 0.275 ± 0.064 1.517 ± 0.222 0.004 2i-propenyl-4-onilino-6-fivamino-onilino-princine AlBN/DMSO/60°C 0.29 0.67 209 0.249 ± 0.087 0.701 ± 0.125 0.007 2i-propenyl-4-onilino-6-fivamino-onilino-princine AlBN/DMSO/60°C 0.22 0.86 209 0.249 ± 0.087 0.701 ± 0.125 0.007 2i-propenyl-4-onilino-6-fivamino-onilino-princine AlBN/DMSO/60°C 0.22 2.05 209 0.249 ± 0.087 0.024 ± 0.169 0.024 ± 0.169 2i-propenyl-4-onilino-6-fivamino-onilino-princine AlBN/DMSO/60°C 0.21 2.10 209 0.134 ± 0.024 1.00 ± 0.04 5.04 2i-propenyl-4-onilino-6-fivamino-princine AlBN/DMSO/60°C 0.21 2.10 209 0.144 ± 0.024 1.00 ± 0.04 5.04 2i-propenyl-4-onilino-6-fivamino-princine AlBN/DMSO/60°C 0.21 2.10 209 0.144 ± 0.024 2.10 ± 0.04 5.04 2i-propenyl-4-chilino-e-fivamino-princine AlBN/DMSO/60°C 0.22 2.0 0.144 ± 0.024 2	468		AIBN/DMSO/60°C	0.32	1.17	208	0.240 ± 0.312	1.130 ± 0.589	0.677	(3)	0.400	ø
2-i-propenyl-4-antilino-6-(m-aninoantilino)-1- infoatine AlBN/DMSO/80°C 0.29 0.67 209 0.289 ±0.087 0.101±0.125 0.057 2-i-propenyl-4-antilino-6-(m-aninoantilino)-1- infoatine AlBN/DMSO/80°C 0.32 0.86 209 0.289 ±0.080 0.024 ±0.087 0.023 0.024 0.	469		AIBN/DMSO/60°C	0.29	1.39	808	0.275 ± 0.064	1.517 ± 0.222	0.034	-	0.720	v
2-i-propenyl-4-anilino-6-(p-aminoanilino)=+- funczine AlBN/DMSO/60°C 0.32 0.86 209 2.78 ± 0.060 0.875± 0.097 0.023 propenyl-4-anilino-cenino-s-triazine AlBN/DMSO/60°C 12.49±0.5 0 210 (12.17±1)±99 0 0.034±0.166 0	470		AIBN/DMSO/60°C	0.29	0.67	508	0.269 ± 0.087	0.710±0.125	0.057	-	0.539	
propenyl-anilino-chinicomilino)-s- ritazine AIBN/DMSO/60°C 2-i-propenyl-4-anilino-chinicomilino)-s- ritazine AIBN/DMSO/60°C 2-i-propenyl-4-anilino-chinicomilino)-s- ritazine AIBN/DMSO/60°C 2-i-propenyl-4-anilino-chinicomilino)-s- ritazine AIBN/DMSO/60°C 3-i-propenyl-4-anilino-chinicomilino)-s- ritazine AIBN/DMSO/60°C 3-i-propenyl-4-anilino-chinicomilino)-s- ritazine AIBN/DMSO/60°C 3-i-propenyl-4-anilino-chinicomilino)-s- ritazine AIBN/DMSO/60°C 3-i-propenyl-4-anilino-chinicomilino)-s- ritazine AIBN/DMSO/60°C 3-i-propenyl-4-anilino-chinicomilino-chinicatine AIBN/DMSO/60°C 3-i-propenyl-4-anilino-chinicomilino-chinicatine AIBN/DMSO/60°C 3-i-propenyl-4-anilino-chinicomilino-chinicomilino-chinicatine AIBN/DMSO/60°C 3-i-propenyl-4-chiloromilino-chinicatine AIBN/DMSO/60°C 3-i-propenyl-4-chiloromilino-chiloromi	471		AIBN/DMSO/60°C	0.32	0.86	509		0.875 ± 0.092	0.023	-	0.492	
2-i-propenyl-4-onilino-6-(m-nitroanilino)-1	472	propenyl-anilino-ami	AIBN/DMSO/60°C	12.49 ± 0.5	0	210		-0.054 ± 0.166		Ξ		۵
2-i-propenyl-4-anilino-6-(p-nitroanilino)=s-triozine AlBN/DMSO/s0°C 0.21 2.10 209 0.144±0.024 2.100±0.064 5.041 2-i-propenyl-4-anilino-6-m-(3-phenylureido)-anilino-s-triozine AlBN/DMSO/s0°C 0.33 0.64 209 0.178±0.157 0.466±0.340 0.457 2-i-propenyl-4-anilino-6-m-(3-phenylureido)-anilino-s-triozine AlBN/DMSO/s0°C 0.28 0.60 209 0.178±0.155 0.347±0.344 0.467 2-i-propenyl-4-anilino-s-triozine AlBN/DMSO/s0°C 0.28 0.60 209 0.178±0.155 0.347±0.344 0.860 2-i-propenyl-4-bis-(p-methylanilino)-s-triozine AlBN/DMSO/s0°C 0.28 0.89 211 0.245±0.082 0.942±0.137 0.047 2-i-propenyl-4-chloroznilino-amino-s-triozine AlBN/DMSO/s0°C 0.32 0.83 211 0.285±0.081 0.071±0.181 i-propenyl-4-chloroznilino-amino-s-triozine AlBN/DMSO/s0°C 0.48 0.66 212 0.439±0.049 0.619±0.056 0.010 i-propenyl-4-chloroznilino-amino-s-triozine AlBN/DMSO/s0°C 0.33 0.62 213 0.239±0.049 0.619±0.05	473		AIBN/DMSO/60°C	0.22	2.05	508	0.153 ± 0.148	1.908 ± 0.378	0.192	(3)	0.201	
2-i-propenyl 4-anilino-6-m(3-phenylureido)- AlBN/DMSO/s0°C 0.33 0.64 209 0.266±0.167 0.466±0.340 0.457 anilino-s-triazine anilino-striazine propenyl-4-anilino-b-triazine propenyl-4-chiacanilino-amino-s-triazine propenyl-4-chiacanilino-s-triazine propenyl-4-chiacani	474		AIBN/DMSO/60°C	0.21	2.10	50	0.144 ± 0.024	2.100 ± 0.064	5.041	-	0.189	
2-i-propenyl-4-onlilino-s-friazine AlBN/DMSO/60°C 0.29 0.60 209 0.178 ± 0.155 0.347 ± 0.344 0.860 antilino-s-triazine AlBN/DMSO/60°C 0.28 0.69 211 0.246 ± 0.082 0.922 ± 0.137 0.047 2-i-propenyl-4,6-bis(antilino)-s-triazine AlBN/DMSO/60°C 0.32 0.83 211 0.286 ± 0.041 0.818 ± 0.061 0.01 propenyl-4-chloroznilino-amino-s-triazine AlBN/DMSO/60°C 0.48 0.65 212 0.439 ± 0.049 0.619 ± 0.08 0.010 propenyl-4-chloroznilino-amino-s-triazine AlBN/DMSO/60°C 11.62 ± 0.7 0 210 0.439 ± 0.049 0.619 ± 0.036 0.010 propenyl-4-chloroznilino-amino-s-triazine AlBN/DMSO/60°C 11.62 ± 0.7 0 210 0.439 ± 0.049 0.619 ± 0.036 0.010 propenyl-4-chloroznilino-amino-s-triazine AlBN/DMSO/60°C 0.33 0.62 213 0.279 ± 0.079 0.019 ± 0.036 0.016 2-i-propenyl-4-chloroznilino-s-triazine AlBN/DMSO/60°C 0.23 0.10 0.279 ± 0.079 0.019 ± 0.079 0.045	475		AIBN/DMSO/60°C	0.33	9.64	508	0.266 ± 0.167	0.466 ± 0.340	0.457	Ξ)	0.921	
2-i-propenyl-4,6-bis(anilino)-s-triazine AIBN/DMSO/80°C 0.28 0.79 211 0.244±0.082 0.942±0.137 0.047 2-i-propenyl-4,6-bis-(g-methylanilino)-s-triazine AIBN/DMSO/80°C 0.32 0.83 211 0.285±0.041 0.818±0.061 0.011 propenyl-2-chloroznilino-amino-s-triazine AIBN/DMSO/80°C 11.02±0.7 0 210 (3.745±2.428)/9.481 0.091±0.181) 0.011 propenyl-4-chloroznilino-amino-s-triazine AIBN/DMSO/80°C 0.48 0.66 212 0.439±0.049 0.619±0.056 0.010 propenyl-4-chloroznilino-amino-s-triazine AIBN/DMSO/80°C 0.33 0.62 213 0.279±0.049 0.619±0.056 0.010 2-i-propenyl-4-chloroznilino-be-anilino-s-triazine AIBN/DMSO/80°C 0.33 0.62 213 0.279±0.079 0.619±0.079 0.045 2-i-propenyl-4-chloroznilino-s-triazine AIBN/DMSO/80°C 0.26 1.10 211 0.279±0.079 0.619±0.079 0.045 2-i-propenyl-4-chloroznilino-s-triazine AIBN/DMSO/80°C 0.26 1.10 211 0.779±0.079 1.174±0.187	476		AIBN/DMSO/60°C	0.29	0.60	508	0.178 ± 0.155	0.347 ± 0.344	0.860	Ξ	0.943	
2-i-propenyl-4,6-bis-(p-methylanilino)-s-triazine AlBN/DMSO/80°C 0.32 0.83 211 0.285±0.041 0.818±0.061 0.002 0.001 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 </td <td>477</td> <td>2-i-propenyl-4,6-bis(anilino)-s-triazine</td> <td>AIBN/DMSO/60°C</td> <td>0.28</td> <td>0.99</td> <td>112</td> <td>0.246 ± 0.082</td> <td>0.962 ± 0.137</td> <td>0.047</td> <td>-</td> <td>0.420</td> <td></td>	477	2-i-propenyl-4,6-bis(anilino)-s-triazine	AIBN/DMSO/60°C	0.28	0.99	112	0.246 ± 0.082	0.962 ± 0.137	0.047	-	0.420	
propenyl-2-chloroznilino-amino-s-triazine AIBN/DMSO/s0°C 11.02±0.7 0 210 (8.745±2.428 -0.091±0.181) 9.483 0.091±0.181) 9.483 0.091±0.181) 9.483 0.091±0.181 0.091±0.181 0.091±0.181 0.091±0.181 0.091±0.181 0.091±0.181 0.091±0.081 0.091±0.181 0.091±0.081 0.091±0.081 0.091±0.081 0.091±0.081 0.091±0.081 0.091±0.081 0.091±0.081 0.091±0.081 0.091±0.081 0.091±0.081 0.091±0.091 0.091±0.091 0.091±0.091 0.091±0.091 0.091±0.091 0.091±0.091 0.091±0.091 0.091±0.091 0.091±0.091 0.091±0.091 0.091±0.091 0.091±0.091 0.091±0.091 0.091±0.091 0.091±0.091 0.091±0.091 0.091±0.091 0.091±0.091±0.091 0.091±0.091 0.091±0.091 0.091±0.091 0.091±0.091 0.091±0.091 0.091±0.091 0.091±0.091 0.091±0.091 0.091±0.091 0.091±0.091±0.091 0.091±0.091 0.091±0.091 0.091±0.091 0.091±0.091 0.091±0.091±0.091 0.091±0.091	478		AIBN/DMSO/60°C	0.32	0.83	211		0.818 ± 0.061		-	0.530	
i-propanyl-4-chloroanilino-amino-s-triazine propanyl-4-chloroanilino-amino-s-triazine propanyl-4-chloroanilino-amino-s-triazine propanyl-4-chloroanilino-amino-s-triazine propanyl-4-chloroanilino-amino-s-triazine propanyl-4-chloroanilino-amino-s-triazine propanyl-4-chloroanilino-b-amilino-s-triazine propanyl-4-chloroanilino-s-triazine propanyl-4-chloroa	479	propeny1-2-chloroanilino-amino-s-triazine	AIBN/DMSO/60°C	11.02 ± 0.7	0			-0.091 ± 0.181)		(1)		۵
propenyl-4-chloroanilino-amino-s-triazine AIBN/DMSO/60°C 0.33 0.62 213 0.279 ± 0.078 0.608 ± 0.099 0.045 (2-i-propenyl-4-(p-chloroanilino)-6-anilino-s-triazine AIBN/DMSO/60°C 0.24 1.07 211 0.293 ± 0.105 1.194 ± 0.178 0.058 ± 0.095 (2-i-propenyl-4, 6-bis-(p-chloroanilino)-s-triazine AIBN/DMSO/60°C 0.24 1.07 211 0.195 ± 0.095 1.076 ± 0.175 0.079	480		AIBN/-/60°C	0.48	97.00	212	0.439 ± 0.049	0.619 ± 0.056	0.010	_	0.802	
i-propenyl-m-chloroanilino-amino-s-triazine AlBN/DMSO/60°C 0.33 0.62 213 0.279 ± 0.079 0.608 ± 0.099 2-i-propenyl-4-(p-chloroanilino)-6-anilino-s-triazine AlBN/DMSO/60°C 0.26 1.10 211 0.293 ± 0.105 1.194 ± 0.187 2-i-propenyl-4,6-bis-(p-chloroanilino)-s-triazine AlBN/DMSO/60°C 0.24 1.07 211 0.195 ± 0.095 1.076 ± 0.175	<u>8</u>	propenyl-4-chloroanilino-amino-s-triazine	AIBN/DMSO/60°C	11.62 ± 0.7	0	210				Ξ		
2-i-propenyl-4-(p-chloroanilino)-6-anilino-s-triazine AIBN/DMSO/60°C 0.26 1.10 211 0.293±0.105 1.194±0.187 2-i-propenyl-4,6-bis-(p-chloroanilino)-s-triazine AIBN/DMSO/60°C 0.24 1.07 211 0.195±0.095 1.076±0.175	482		AIBN/DMSO/60°C	0.33	0.62	213	0.279 ± 0.078	0.608 ± 0.099	0.045	-	0.589	
2-i-propenyl-4, 6-bis-(p-chloroanilino)-s-triazine AIBN/DMSO/60°C 0.24 1.07 211 0.195 ± 0.095 1.076 ± 0.175	483		AIBN/DMSO/60°C	0.26	1.10	211	0.293 ± 0.105	1.194±0.187	0.056	-	0.455	
	484		AIBN/DMSO/60°C	0.24	1.07	211	0.195 ± 0.095	1.076 ± 0.175	0.079	-	0.338	

D. Braun, W. Czerwinski, G. Disselhoff, F. Tüdős, T. Kelen, and B. Turcsányi

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ž	No. 2 nd Monomer	Initiator / Solvent / Temp. ^O C	Original	2)	Š. Š.	Recalculated	lated '7	00	Class	o	Re- marks
485	2-i-propenyl-4, 6-diamino-s-triazine	AIBN/DMSO/60°C	9.0	0.97	208	0.598 + 0.192	0.856 + 0.251	0.094	_	0.932	
486		AIBN/-/60°C	0.19	0.45	214	0.0432 ± 0.1082 0.328 ± 0.212	0.328 ± 0.212	1.618	Ξ	0.236	
487		AIBN/THF/60°C	15.7 ± 0.8	0.01 + 0.03	135	17.46 ± 3.27	0.027 ± 0.116	0.795	Ξ	0.057	
488		AIBN/DMSO/60°C	0.32	0.95	211	0.337 ± 0.153	0.888 ± 0.222	0.114	_	0.556	
489	2-i-propenyl-4, 6-bis-(p-hydroxymethylanilino)- s-triazine	AIBN/DMSO/60°C	0.41	0.86	211	0.375 ± 0.104	0.915±0.147	0.045	_	0.569	
490	i-propenyl-4-methoxyanilino-amino-s-triazine	AIBN/-/60°C	0.43	0.81	212	0.394 ± 0.075	0.757 ± 0.096	0.024	_	9.666	
461		AIBN/DMSO/60°C	8.34 ± 0.9	0	210 (-0.075 ± 0.135) 0		Ξ		o.
492	492 propenyl-4-methylanilino-amino-s-triazine	AIBN/DMSO/60°C	12.35 ± 0.6	0	210				Ξ		
493	493 propenyl-4-methoxyanilino-amino-s-triazine	AIBN/DMSO/60°C	13.73 ± 0.6	0	210 ((10.84 ± 4.49 13.33	-0.136 ± 0.315		Ξ		o.
494	494 i-propenyl-N-methyl-4-aminoanilino-amino-s- triazine	AIBN/DMSO/60°C	0.37	0.57	215	0.294 ± 0.135	0.425 ± 0.149	0.161	≘	0.896	
495	495 2-i-propenyl-4-(p-methylanilino)+6-anilino-s- triazine	AIBN/DMSO/60°C	0.29	1.06	211	0.255 ± 0.076	1.050 ± 0.132	0.038	_	0.420	
496	496 i-propenyl-4-methylanilino-amino-s-triazine	AIBN/DMSO/60°C	0.43	0.61	212	0.393 ± 0.156	0.607 ± 0.185	0.121	_	0.752	
497	n-propenyl methyl ketone	BPO/benzene/60°C	0.01	18.110	80	18.12 ± 6.09	0.078 ± 0.295	1.276	Ξ	0.116	۰
498	498 i-propenyl methyl ketone	BPO/-/60°C	0.28 ± 0.03	0.35 ± 0.02	216	0.221 ± 0.059	0.349 ± 0.078	0.060	_	0.768	
499	i-propenyl-N-methyl-4-nitroanilino-amino-s- triazine	AIBN/DMSO/60°C	91.0	1.70	215	0.164 ± 0.031	1.685 ± 0.076	0.008	_	0.249	
200		AIBN/DMSO/60°C	0.32	1.05	215	0.254 ± 0.152	0.912 ± 0.223	0.148	≘	0.397	
Š		AIBN/THF/70°C	0.02	1.56	217	0.0035 ± 0.0469	1.575 ± 0.330	2.767	Ξ	0.017	
205		AIBN/DMSO/60°C	0.40	0.62	213	0.315 ± 0.178	0.429 ± 0.193	0.254	≘	0.754	
503	i-propenyl-m-toluidino-amino-s-triazine	AIBN/DMSO/60°C	0.40	0.65	213	0.488 ± 0.164	0.672 ± 0.183	0.092	_	0.777	
8		AIBN/-/60°C	0.32	0.21	218	0.409 ± 0.235	0.576 ± 0.297	0.296	≘	0.928	c
505		AIBN/-/60°C	0.76	0.26	20	0.755 ± 0.060	0.194 ± 0.030	0.012	_	919.0	
8	N-n-propyl citraconimide	AIBN/THF/60°C	0.27 ± 0.04	0.02 ± 0.04	4				=		
207	N-i-propyl citraconimide	AIBN/THF/60°C	0.031 ± 0.040	0.031 ± 0.040 0.003 ± 0.050 41	7				Ξ		

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ģ	No. 2. Monomer	Initiator / Salvent / Temp. 'C	1	2	Ř Š	necalculated 1	2 J	°	Class	G marks
808	propyleneglycol mononitrate methacrylate	AIBN/-/60°C	0.36	0.50	23	0.3689 ± 0.059	0.578 ± 0.094	0.026	_	0.862 e
20	N-i-propyl iso-maleimide	AIBN/dioxane/70°C	0.53	90.0	4	0.465 ± 0.104	0.002 ± 0.059	5.552	<u> </u>	0.010
510	n-propył B-propoxyacrylate	AIBN/-/60°C	42	0.01	29				=	٥
511	i-propyl-styrene	8PO/-/70°C	1.22	0.89	219	1.219 ± 0.062	0.888 ± 0.065	0.00	_	0.782 e
512	n-propyl thioacrylate	AIBN/-/60°C	0.18	0.32	4	0.180 ± 0.067	0.375 ± 0.165	0.164	€	0.843
513	i-propyl vinyl ketane	AIBN/-/60°C	0.40	0.30	9	0.359 ± 0.110	0.268 ± 0.101	0.116	≘	0.742 n
514	styrene (deuterated)	AIBN/toluene/60°C	_	_	220	0.963 ± 0.079	1.118 ± 0.096	0.007	_	0.984
515	styrene tricarbonylchromium	AIBN/benzene/70°C	1.39	0	221				Ξ	
516	styryl isocyanate	AIBN/-/60°C	7.8 ± 0.6	0 + 0.3	78	(7.372 ± 0.922 7.885	-0.125 ± 0.183		Ξ	۵
517	tetrachlorocyclopropene	AIBN/-/80°C			222				Ξ	
518	tetrachlorocyclopropene	AIBN/-/80°C	5.7 ± 0.4		223				Ξ	c
519	tetrachloroethylene	BPO/-/60°C	200 + 20		3				=	
520	tetrafluoroethylene	1/-/80°C 100°C	5.2	0.01	224				≡	•
521	tetrafiuoroethylene	60Co/bulk/22°C	\$	0	225				Ξ	
522	tetrahydrofurfuryl acrylate	BPO/bulk/70°C	0.501	0.485	226	0.475 ± 0.186	0.489 ± 0.196	0.157	_	0.945 e
523	tetrahydropyranyl acrylate	AIBN/benzene/70°C	0.53	0.13	227				Ξ	>
524	tetrahydropyranyl methacrylate	AIBN/benzene/70°C	0.42	0.59	222	0.486 ± 0.055	0.565 ± 0.081	0.016	_	0.842
525	thiomaleic anhydride	AIBN/bulk/60°C	0.045	0.005	228				=	0
526	N-(p-tolyl)-maleimide	AIBN/benzene/60°C	0.25 ± 0.05	0.08 ± 0.05	4				=	v
527	p-tolyl methacrylate	AIBN/MEK, no ZnCl 170°C	0.24	0.75	20	0.215 ± 0.118	0.400 ± 0.144	0.198	€	0.708
528	p-tolyl methacrylate	AIBN/MEK with ZnCl 7/70°C	0.14	0.63	20	0.213 ± 0.147	0.566 ± 0.189	0.231	Ξ	0.457
529	1-p-toly1-2-methy1-1,2,3,6-tetrahydro-3,6- pyridazindione	AIBN/DMF/60°C	0.75	0.01	229				=	
530	tricarbonyi chromium-h ⁶ -phenylethyi acrylate	AIBN/ethyl acetate/70°C	0.5	0.1	230	0.502 ± 0.123	0.218 ± 0.179	0.200	≘	0.378
531	tricarbonyl chromphenyl ethyl methacrylate	AIBN/ethyl acetate/70°C	1.35 ± 0.15	0.04 + 0.04	231	1.481 ± 0.622	0.0522 ± 0.0277	0.223	≘	0.860
532	4-trimethoxysilylstyrene	BPO/-/70°C	0.71 ± 0.02	1.4 ± 0.1	232	0.774 ± 0.126	1.581 ± 0.342	0.035	_	0.717
533	trimethyl acrylyl hydrazinium chloride	AIBN/methanol-ethyl cellosolve/ 70°C	0.58	0.46	233	233 0.447 ± 0.073	0.341 ± 0.167	0.079	Ξ	0.467

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	534	trimethylamine-4-vinylbenzimide	AIBN/acetonitrile/70 ⁰ C	0.47 ± 0.05	0.63 ± 0.07	234	0.598 ± 0.105	0.747 ± 0.162	0.038	_	0.761 n	
	535	trimethyl methacrylyl hydrazinium chloride	AIBN/ethyt cellosolve/70°C	0.51	0.23	235	0.448 ± 0.049	0.179 ± 0.090	0.055	_	0.247	
	236	2, 3, 4-trimethyl-3-pentyl methacrylate	AIBN/benzene/60°C	1	1	236	0.596 ± 0.081	0.257 ± 0.059	0.031	Ξ	0.689	
	537	4-trimethylsilylstyrene	8PO/-/70.3°C	1.0±0.2	1.0 + 0.2	232	1.255 ± 0.472	1.153 ± 0.718	0.234	Ξ	0.688	
	538	N-vinyl acetanilide	AIBN/-/60°C	22.3 ± 0.19	0.009 ± 0.03	237	24.19 ± 3.06	0.025 ± 0.071	0.365	_	0.041	
	539	vinyl acetate	Cu(II)chelate/-/100°C	16.0 ± 5.6	0.0 + 0.0	142	18.80 ± 7.86	0.0139 ± 0.1729	5.195	Ξ	0.030 e,x	
	240	vinyl acetate	8PO/-/70°C	1 + 19	0.056 ± 0.003 238	238	61.25 ± 6.54	0.0560 ± 0.0342	0.065	_	0.002 s,x	
	2	4-vinyl acetophenone	AIBN/-/60°C	0.25	1.15	239	0.237 ± 0.077	1.130 ± 0.804	0.231	≘	0.363	
	245	4-vinyl acetophenonoxime	AIBN/-/60°C	0.54	2.	539	0.526 ± 0.069	1.081 ± 0.292	0.035	_	0.530	
	3	2-vinyl-4-amino-6-anilino-s-triazine	AIBN/DMSO/60°C	0.60	0.24	208	0.553 ± 0.093	0.180 ± 0.068	0.063	_	0.462 e	
	24	2-vinyl-4-amino-6-p-anisidino-s-triazine	AIBN/DMSO/60°C	0.78	0.29	208	0.784 ± 0.090	0.256 ± 0.062	0.028	-	0.483 e	
	545	2-vinyl-4-amino-6-p-cyananilino-s-triazine	AIBN/DMSO/60°C	0.64	0.31	308	0.637 ± 0.058	0.267 ± 0.070	0.024	_	0.314 e	
	348	2-vinyl-4-amino-6-dimethylamino-s-triazine	AIBN/DMSO/60°C	0.70	0.81	208	0.655 ± 0.279	0.804 ± 0.304	0.161	_	0.833 e	
	547	2-viny1-4-amino-6-N-methyl-anilino-s-triazine	AIBN/DMSO/60°C	0.50	0.58	208	0.477 ± 0.050	0.557 ± 0.055	0.010	-	0.933 e	
	248		AIBN/DMSO/60°C	0.80	0.30	208	0.762 ± 0.059	0.244 ± 0.041	0.013	_	0.464 e	
	549	2-vinyt-4-amino-6-o-toluidino-s-triazine	AIBN/dioxane/60°C	0.45	0.93	240	0.307 ± 0.725	0.561 ± 0.741	3.123	€	0.479 e,n	
	550	3-vinylbenzenesulfanic acid fluoride	AIBN/benzene/75°C	0.80	1.25	241	0.788 ± 0.183	1.269 ± 0.236	0.043	_	0.822	
	551	4-vinylbenzenesulfonic acid fluoride	AIBN/butanone/75°C	0.25	1.30	241	0.171 ± 0.045	1.372 ± 0.188	0.036	_	0.622	
	552	vinyl benzoate	K ₂ S ₂ O ₈ /emulsion/60°C	29.58	0.03	242				Ξ		
	553	4-vinyl benzoic acid	AIBN/-/60°C	0.28	7.0	239	0.258 ± 0.058	1.131 ± 0.481	0.095	_	0.529	
•	554	4-vinyl benzophenone	AIBN/bulk/60°C	0.18 + 0.08	3.0 + 0.3	243	0.110 ± 0.152	2.578 ± 0.829	0.444	Ξ	0.218	
	555	4-vinyl benzophenone	A1BN/-/60°C	0.18 ± 0.08	3.0 + 0.3	244	0.127 ± 0.018	0.551 ± 9.440	2.451	≘	0.010	
	556	p-vinyî benzylchloride	AIBN/toluene/60°C	0.70	1.59	245	0.596 ± 0.296	1.665 ± 0.464	0.138	≘	0.579	
	557	p-vinylbenzył methył carbinol	AIBN/dioxane/?	0.97	0.91	200	0.986 ± 0.502	0.940 ± 0.448	0.243	_	0.992 e	
	558	vinyi n-butyl ether	Cu(II)chelate/~/100 ⁰ C	15	0	142				Ξ	0	
	559	N-vinyl caprolactame	AIBN/DMF/70°C	18.5 - 19.1	0.014 1 0.027 246	246				=		
	200		AIBN/benzene/60°C	5.6 ± 0.5	0.062 ± 0.009 247	247				=		
	25	vinyl (bis-chloroethyl) phosphate	BPO/-/50°C	2.43	0.03	248	2.470 ± 0.891	0.026 ± 0.487	6.71	≘	0.0184	

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262	1-vinyl-4-chloronaphtalene	8PO/-/60°C	0.85 ± 0.1	0.8 ± 0.1	249	0.763 ± 0.677	0.747 ± 0.451	0.535	≘	0.646	
88	2-vinyl-6-chloronaphtalene	BPO/benzene/60°C	0.4 ± 0.1	1.5 ± 0.2 1.5	249	0.610 0.391 + 0.597	4.278 2.437 + 1.385	998.0	<u>9</u> 9	0.250	Ç T
\$	564 (ŋ -vinylcyclopentadienyl)tricarbonylmethyltungsten	AIBN/benzene/60°C	1.55 ± 0.15	0.16 ± 0.025	250	1.395 ± 0.148	0.108 +0.073	0.071	Ξ	0.112	
565	N-vinyl-5-decyl-2-oxazolidon	AIBN/-/60°C	14.3	0.059	251				=		
88		AIBN/DMSO/60°C	0.0	0.14	208				=	•	
267		AIBN/DMSO/60°C	0.53	0.40	208	0.374 ± 0.3712	0.300 ± 0.331	1.092	Ξ	0.941 e	
268	vinyl-dibutylphosphinoxyde	AIBN/-/60°C	17 ± 5	0	252				Ξ		
89	2-vinyl-1, 1-dichloro-cyclopropane	BPO/-/60°C	17.4	0.05	253	17.98 ± 0.590	0.000 ± 0.034		-		
220	O-vinyl-N-diethylcarbamate	AIBN/-/66°C	32.0 + 5	0.03 ± 0.01	254				≡		
57	S-vinyl-N-diethylthitcarbamate	AIBN/-/60°C	4.4+0.6	0.14 ± 0.03	254	4.451 ± 1.245	0.093 ± 0.466	1.399	Ξ	0.062	
572	4-vinyl-2, 4-dimethoxybenzophenone	AIBN/benzene/60°C	0.41 ± 0.02	2.12 ± 0.17	255	0.364 ± 0.156	2.51 ± 1.69	0.289	Ξ	0.639 \$	
573		AIBN/-/60°C			256	8.663 ± 0.196	0.0487 ± 0.0106	0.002	_	0.104	
574	N, N-vinyl methyl 4-toluenesulfonamide	BPO/-/60°C	12.3	0	257				Ξ		
575		AIBN/benzene/60°C	0.12	0.92	258	0.131 ± 0.086	0.930 ± 0.177	0.126	_	0.269	
576	2-vinyl-1, 3-dioxolane	AIBN/-/60°C	4.9	0.02	259	47.55 ± 4.08	0.0359 ± 0.0589 0.141	0.141	_	0.054 e	
27.7	vinyl-diphenylphosphine	AIBN/-/60°C	7 ± 1	0	252				≡		
9/9	vinyl-diphenylphosphineoxyde	AIBN/ benzene/60°C	5+1	0	252				≡		
579	vinyl-diphenylphosphinesulfide	AIBN/benzene/60°C	2.1 ± 0.3	0	252				Ξ		
280	1-vinyl-3-n-dodecyl imidazolium iodide	ACVA/water/60°C	3.01	60.0	260				Ξ		
581	vinylencarbonate	AIBN/-/60°C	8-20	0	۶				Ξ		
582	N-vinyi-N', N'-ethyleneurea	AIBN/THF/60°C	14.5 ± 0.9	0.05 ± 0.04	135				Ξ		
583	vinyl ethyl ether	8PO/-/80°C	80 ± 40	0	54				Ξ		
584	vinyl ethyl oxalate	AIBN/-/60°C	8.0	0.1	261				Ξ		
585		AIBN/-/60°C	0.79 ± 0.03	1.2 ± 0.2	262	0.734 ± 0.118	1.097 ± 0.143	0.021	-	0.789	
586	2-vinyl-5-ethylpyridine-N-oxide	AIBN/ethanol/60°C	0.10 ± 0.01	2.6 ± 0.3	263	0.064 ± 0.108	2.273 ± 0.876	0.653	Ξ	0.214	
287	vinyl ferrocene	-/benzene/70°C	4+1	0.2 ± 0.1	264				=	4	
288	vinyl ferrocenyl ketone	AIBN/benzene/70°C	0.28	0.31	265	0.295 ± 0.040	0.429 ± 0.147	0.047	Ξ	0.538	

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289		AIBN/benzene/60°C	38 + 5	0	566				Ξ		
290		AIBN/THF/60°C	10.4 ± 0.02	0.02 +0.02	135	11.73 ± 2.38	0.065 ± 0.154	0.478	€	0.081	
591		AIBN/-/60°C	20.4	0.03	259	20.12 ± 1.34	0.0224+ 0.0630	0.187	_	0.024 e	
592	2 vinylidene chloride	?/bulk/50°C	2.1 ± 0.2	0.145 ± 0.009 267	267	1.799 ± 0.420	0.0445 ± 0.1330	969.0	Ξ	0.073 f	
593		A18N/bulk/60°C	10.0 ± 0.2 9.8	0.10 ± 0.02	193	9.995 ± 1.038	0.081 ± 0.052	0.067	_	0.203 e	
594	4 viny) iodide	AIBN/benzene, No,5,0,/60°C	7.0+0.2	0.145 ± 0.01	268	7.401 ± 0.315	0.126 ± 0.035	0.012	_	0.130	
595	5 vinyl 1-menthyl ether	AIBN/benzene/60°C	27.5	0.01	269				≡		
296	6 vinyl mercapto benzimidazole	AIBN/bulk/60°C	4.1	0.20	270	6.507 ± 1.504	0.620 ± 0.587	0.226	≘	0.228	
265	7 viny! mercapto benzoxazołe	AIBN/bulk/60°C	2.61 ± 0.13	0.274 ± 0.032 270	220	2.883 ± 0.535	0.245 ± 0.153	0.116	_	0.366	
298		AIBN/bulk/60°C	2.12 ± 0.09	0.336 ± 0.028 270	270	2.170 ± 0.200	0.348 ± 0.102	0.027	_	0.302	
599	9 vinyl mercapto 4-methylthiazole	AIBN/bulk/60°C	2.4	0.34	1/2	2.441 ± 0.260	0.348 ± 0.111	0.034	_	0.350	
909	0 4-vinyl-2'-methoxybenzophenore	AIBN/benzene/60°C	0.28 ± 0.02	1.63 ± 0.34	255	0.226 ± 0.069	1.521 ± 0.583	0.109	Ξ	0.833	
8		AIBN/benzene/60°C	0.38 ± 0.05	1.63 ± 0.26	255	0.423 ± 0.071	1.85 ± 0.93	0.084	_	0.269	
602	2 5-vinyl-2-methyl-Q, O'-bis(1'-ethoxyethyl) hydroquinone	AIBN/benzene/60°C	0.83	0.18	272	0.859 ± 0.078	0.189 ± 0.119	0.057	_	0.165	
809		AIBN/tolvene/60°C	4.01 ± 0.03	0	273	$(4.07 \pm 0.45 + 1.129)$	-0.04 ± 0.26) 0		Ξ	۵	
8	604 vinyl methyl diethoxysilane	AIBN/bulk/60°C	11.7 ± 0.01	0	273				≡		
902	15 vinyl methyl diethoxysilane	AIBN/toluene/60°C	5.7 ± 0.02	0.13 ± 0.06	273	5.693 ± 0.486	0.071 ± 0.389	0.465	<u>=</u>	910.0	
909		AIBN/-/66°C	13.0 + 3	0.025 ± 0.01	254				Ξ		
209	7 3-(2-vinyl)-6-methylpyridazinone	AIBN/DMF/60°C	6.0	0.9	274	0.814 ± 0.137	0.837 ± 0.138	0.028	_	0.956	
809	18 5-vinyl-2-methylpyridine	AIBN/-/60°C	$0.812 \pm 0.005 \ 0.01 \pm 0.02$	5 0.01 ± 0.02	275	0.790 ± 0.047	0.873 ± 0.068	0.005	_	0.719	
609	9 2-vinyinaphtalene	BPO/-/60°C	0.5±0.1	1.4 ± 0.1	249	0.395 ± 0.049	1.345 ± 0.093	0.00	_	0.596	
919	-	AIBN/-/80°C	3.9	90.08	276	3.705 ± 0.366	0.107 ± 0.055	0.051	_	0.200	
119	l vinyl pentamethyl disilane	AIBN/benzene/60°C	50 + 10	0	266				Ξ		
19	612 1-p-vinyiphenyl-3-chloromethyldisiloxane	AIBN/toluene/80°C	1.01 ± 0.08	1.08 + 0.16	27.2	0.940 + 0.607	1.018 + 3.975	2.523	Ξ	0.198	
19	613 1-p-vinylphenyl-5-chloromethyltrisiloxane	AIBN/toluene/80°C	1.02 ± 0.04	0.97 ± 0.10	22.2	0.901 ± 0.236	0.603 ± 1.616	0.703	≘	0.098	
19	614 1-p-vinylphenyl-7-chloromethyltetrasiloxane	AIBN/toluene/80 C	0.98 ± 0.04	1.08 ± 0.08	22				Ξ		

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615	615 4-vinylphenyl dimethyl chloromethyl silane	AIBN/toluene/80°C	0.69 ± 0.03	0.86 ± 0.03	111	0.664 ± 0.041	0.868 ± 0.085	90.0	_	0.771	
616	616 4-vinylphenyl dimethyl silane	AIBN/toluene/80°C	0.56 ± 0.01	1.00 ± 0.01	278	0.527 ± 0.228	1.043 ± 0.887	0.367	≘	0.439	
617	4-vinylphenyl dimethyl phenyl silane	AIBN/toluene/80°C	0.80 ± 0.16	2.3 ± 0.4	278	0.764 ± 0.453	2.022 ± 2.457	0.721	≘	0.455	
618	vinyl phenyl ketone	AIBN/-/80°C	0.11	1.1 ± 0.1	279	0.125 ± 0.053	0.931 ± 0.206	0,095	Ξ	0.432	
619	vinyl phenyl ketone	AIBN/-/60°C	0.21	0.48	8	0.193 ± 0.063	0.470 ± 0.086	0,600	_	0.557	
620	4-vinylphenyl methyl silane	AIBN/-/60°C	16.0	1.1	297	0.892 ± 0.184	1.161 ± 0.641	0.114	_	0.305	
621	vinył (X-phenyl) phosphonic acid	AIBN/dioxane/70°C	,		280				≡		
622	vinyl phenyl silane	AIBN/-/60°C	5.7	0	297				Ξ		
623	4-vinylphenyl síloxane	AIBN/toluene/80°C	1.04 ± 0.06	1.2 ± 0.4	281	1.018 ± 2.965	1.215 ± 21.91	52.49	Ξ	0.160	
624	4-vinylphenyl disiloxane	AIBN/toluene/80°C	0.90 + 0.03	1.2 ± 0.2	281	0.905 ± 1.101	1.268 ± 16.28	15.62	Ξ	0.093	
625	4-vinylphenyl trisiloxane	AIBN/toluene/80°C	1.15 + 0.05	1.1 + 0.3	281	1.204 ± 1.833	1.246 ± 20.76	25.37	Ξ	0.090	
626	4-vinylphenyl tetrasiloxane	AIBN/toluene/80°C	1.11 ± 0.01	1.2 ± 0.1	281	1.137 ± 0.510	1.228 ± 6.088	2.22	Ξ	0.0872	
627	N-vinyl phtalimide	BPO/DMF/60°C	6.3	0.09	282	6.234 ± 1.506	0.0601 ± 0.1478	0.594	_	0.096	
628	N-vinyl phtalimide	-/-/65°C	8.3 ± 0.3	0.075 ± 0.03	283	8.37 ± 0.30	0.0792 ± 0.0277	0.012	_	0.082	
659	2-vinylpyridine	AIBN/-/60°C	0.56 ± 0.02	0.9 ± 0.2	262	0.454 ± 0.314	0.745 ± 0.360	0.335	≘	0.643	
630	4-vinylpyridine	AIBN/-/60°C	0.54 ± 0.03	0.7 ± 0.1	262	0.509 ± 0.165	0.688 ± 0.182	0.086	_	0.665	
631	2-vinylpyridine-N-oxide	AIBN/ethanol/60°C	0.11 + 0.01	2.1 ± 0.6	263				=		
632	N-vinyl pyrrolidone	AIBN/benzene/60°C	6.5 ± 0.2	0.012 ± 0.003 247	247				Ξ		_
633	N-vinyl pyrrolidone	AIBN/bulk/60°C	24.17	0.082	784	20.507 ± 5.129	0.0299 ± 0.1506 1.258	1.258	Ξ	0.051	
634	N-vinylsuccinimide	8PO/-/60°C	7.0	0.09	257	5.314 + 1.972	0.004 ± 0.128	12.45	€	0.015	
635	N-vinylsuccinimide	BPO/bulk/60°C	10.5	0.07	285	10.83 ± 1.47	0.031 + 0.047	0.203	_	0.094	
63	vinyl sulphonyl (8-chloroethyl)amide	AIBN/-/62°C	3.0	0.075	286				=		
637	N-vinylthiopyrrolidone	AIBN/benzene/60-65°C	1.75 ± 0.05	0.45 ± 0.03	287	1.811 ± 0.119	0.480 ± 0.049	0.007	_	0.525 e,f	e, f
638	vinyl p-tolyl sulphoxide	AIBN/-/70°C	5.77 ± 0.10	0.10 + 0.07	288	5.522 ± 0.941	0.0201 + 0.1454 1.233	1,233	-	0.020	
639	vinyl triacetoxysilane	BPO/-/60°C	3.85 ± 0.1	0	583				=		
3	vinyl triacetoxysilane	BPO/~/80°C	3.88	0	289				=		
2	vinyl triacetoxysilane	BPO/-/100°C	1.9 ± 0.1	0	289				=		
645	vinyl tri-n-butyltin	AIBN/benzene/50°C	16.0	0.005	2				=		

645 vinyl triethospillone 644 p-vinyl tritleococcerephenone 645 vinyl trienthy generate 645 vinyl trienthy generate 646 vinyl trienthy generate 646 vinyl trienthy generate 647 vinyl trienthy generate 648 vinyl trienthy generate 648 vinyl trienthy generate 649 vinyl trienthy generate 640 vinyl trienthy generat	ģ	No. 2 nd Monomer	Initiator / Solvent / Temp. ^O C	Original	27	Z Ref.	Recalculated	ulated 72	₽	Class	O Re- marks
emarks to Table I Badly scattered data points. Data from high-conversion experiments. Original parameter values by Finemann and Ross (FR). Original parameter values by non linear least-square fit (NLLS). Albh/benzene/60°C Albh/benzene/	28	vinyl triethoxysilane	BPO/-/80°C	13 + 1	•	289				=	
vinyl trimethyl gemane vinyl trimethyl slane /23°C N-vinyl-4-trimethylsilyl-phtolimide NBN/benzene/60°C /23°C N-vinyl-4-trimethylsilyl-phtolimide AIBN/benzene/50°C 44.8 0.001 4-vinyl triphenyl carbinol AIBN/benzene/50°C 0.47±0.1 1.60±0. Badly scattered data points. Data from high-conversion experiments. One of the data points was omitted because of the high conversion. Original parameter values by Finemann and Ross (FR). Original parameter values by Mayo and Lewis (ML). Original parameter values by Mayo and Lewis (ML). Original parameter values by non linear least-square fit (NLLS). According to the original article, the system is subject to y penultimate effect, r-values are not given. Systematic deviations are noceible.	4	p-vinyl trifluoracetaphenone	AIBN/benzene/60°C	0.30 + 0.09	1.3 + 0.3	8	0.216 + 0.079	1.108 ± 0.558	0.183	Ξ	0.754
-/-/25°C	645	vinyl trimethyl germane	AIBN/benzene/50°C	24.4	0.00	292	(22.22 ± 2.78 24.06	-0.099 ± 0.095) 0		9	υ Δ,
N-vinyl-4-trimethylsilyl-phtolimide N-vinyl trimethyltin AlBN/benzene/50°C 44.8 0.001 4-vinyl triphenyl carbinol AlBN/benzene/50°C 44.8 0.001 4-vinyl triphenyl carbinol AlBN/benzene/50°C 44.8 0.001 4-inyl triphenyl carbinol AlBN/benzene/50°C 0.47±0.1 1.60±0. Data from bigh-conversion experiments. Data from high-conversion experiments. One of the data points was omitted because of the high conversion. Original parameter values by Finemann and Ross (FR). Original parameter values by Mayo and Lewis (ML). Original parameter values by non linear least-square fit (NLLS). According to the original article, the system is subject to your expenditurate effect, r-values are not given. Systematic deviations are not given.	8	vinyl trimethyl silane	-/-/25°C	•		83				Ξ	
44.8 0.001 4-vinyl triphenyl carbinol AIBN/benzene/50°C 0.47±0.1 1.60±0. 44.8 0.001 4-vinyl triphenyl carbinol AIBN/benzene/50°C 0.47±0.1 1.60±0. Badly scattered data points. Data from high-conversion experiments. One of the data points was omitted because of the high conversion. Original parameter values by Finemann and Ross (FR). Original parameter values by Mayo and Lewis (ML). Original parameter values by non linear least-square fit (NLLS). According to the original article, the system is subject to y systematic deviations are not given.	2		AIBN/benzene/60°C	6.1	90.08	294	(4.675 ± 1.312 4.928	-0.083 ± 0.218)		9	a <i>o</i>
emarks to Table 1 Badly scattered data points. Data from high-conversion experiments. Original parameter values by Finemann and Ross (FR). Original parameter values by Mayo and Lewis (ML). Original parameter values by non linear least-square fit (NLLS). According to the original article, the system is subject to y Systematic deviations are not given.	8	vinyl trimethyltin	AIBN/benzene/50°C	8.4	0.001	280				=	=
Badly scattered data points. Badly scattered data points. Data from high-conversion experiments. One of the data points was omitted because of the high conversion. Original parameter values by Finemann and Ross (FR). Original parameter values by mayo and Lewis (ML). Original parameter values by non linear least-square fit (NLLS). According to the original article, the system is subject to penultimate effect, r-values are not given.	8	4-vinyt triphenyl carbinol	AIBN/benzene/50°C	0.47 ± 0.1	1.60 ± 0.15		0.410 ± 0.181	1.521 ± 0.447	0.130	_	0.789
	д ароры д	Remarks to Table Badly scattere Data from hig One of the dat Original parar Original parar Original parar According to penultimate ef Swstematic der	nents. because of the high comnann and Ross (FR). o and Lewis (ML). inear least-square fit (Ne, the system is sub egiven.	version. (LLS).	Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z	umbe = 0 = 0 stem.	ring of mon has been sup has been sup has been sup atic analytic tration rang lata points on the points on on rather the parameter and deviation	omers possib posed. pposed. al error is po e too small. only. an copolyme values by K7	oly rewssible.	on.	nversion

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