

Table 10-1 REFRACTIVE INDEX, DIPOLE MOMENT, AND RADIUS OF GYRATION - ORGANIC COMPOUNDS (continued)

NO	FORMULA	NAME	Refractive Index		Dipole Moment		Radius of Gyration Angstrom
			T, C	Value @ T	State	Debye	
625	C6H14S	METHYL-PENTYL-SULFIDE	25.0	1.4482	—	—	—
626	C6H14S	PROPYL-SULFIDE	25.0	1.4482	—	—	—
627	C6H14S2	PROPYL-DISULFIDE	25.0	1.4482	in benzene	1.56	—
628	C6H15Al	TRIETHYL ALUMINUM	25.0	1.4958	in benzene	1.98	—
629	C6H15Al2Cl3	ETHYL ALUMINUM SESQUICHLORIDE	6.4	1.4800	in benzene	0.60	—
630	C6H15N	DIISOPROPYLAMINE	—	—	—	—	—
631	C6H15N	DI-n-PROPYLAMINE	25.0	1.3924	—	—	3.806
632	C6H15N	n-HEXYLAMINE	25.0	1.4018	in benzene	1.07	3.976
633	C6H15N	TRIETHYLAMINE	25.0	1.4167	in benzene	1.59	4.073
634	C6H15NO	6-AMINOHEXANOL	25.0	1.3980	gas	0.66	3.730
635	C6H15NO2	DIISOPROPANOLAMINE	—	—	—	—	4.348
636	C6H15NO3	TRITHANOLAMINE	29.9	1.4595	—	—	4.894
637	C6H15N3	N-AMINOETHYL PIPERAZINE	25.0	1.4835	in dioxane	1.08	5.219
638	C6H15O4P	TRIETHYL PHOSPHATE	25.0	1.4983	—	—	4.225
639	C6H16N2	HEXAMETHYLENEDIAMINE	25.0	1.4036	in benzene	3.09	4.949
640	C6H18N3OP	HEXAMETHYL PHOSPHORAMIDE	41.9	1.4485	—	—	4.483
641	C6H18N4	TRIETHYLENE TETRAMINE	25.0	1.4564	in benzene	5.54	4.515
642	C6H18OSi2	HEXAMETHYLDISILOXANE	19.9	1.4971	—	—	4.861
643	C6H18O3Si3	HEXAMETHYLCYCLOTETRISILOXANE	19.9	1.3777	gas	0.66	—
644	C6H19NSi2	HEXAMETHYLDISILAZANE	—	—	in benzene	0.00	—
645	C7H3ClF3NO2	4-CHLORO-3-NITROBENZOTRIFLUORIDE	19.9	1.4080	in benzene	0.42	—
646	C7H3Cl2F3	2,4-DICHLOROBENZOTRIFLUORIDE	19.9	1.4893	—	—	5.466
647	C7H3Cl2NO	3,4-DICHLOROPHENYL ISOCYANATE	—	—	—	—	5.233
648	C7H4ClF3	p-CHLOROBENZOTRIFLUORIDE	—	—	—	—	5.290
649	C7H4Cl2O	m-CHLOROBENZOYL CHLORIDE	25.0	1.4440	gas	1.58	4.799
650	C7H4F3NO2	3-NITROBENZOTRIFLUORIDE	—	—	—	—	5.002
651	C7H5ClO	BENZOYL CHLORIDE	19.9	1.4715	—	—	5.078
652	C7H5ClO2	o-CHLOROBENZOIC ACID	19.9	1.5537	in benzene	3.16	4.267
653	C7H5Cl3	BENZOTRICHLORIDE	—	—	in dioxane	2.45	4.537
654	C7H5F3	BENZOTRIFLUORIDE	—	—	in benzene	2.04	4.579
655	C7H5N	BENZONITRILE	25.0	1.4114	gas	2.86	4.161
656	C7H5NO	PHENYL ISOCYANATE	19.9	1.5282	gas	4.18	3.800
657	C7H5N3O6	2,4,6-TRINITROTOLUENE	19.9	1.5368	in CCl4	2.25	4.073
658	C7H6Cl2	BENZYL DICHLORIDE	—	—	in benzene	1.16	5.766
659	C7H6Cl2	2,4-DICHLOROTOLUENE	25.0	1.5037	in benzene	2.03	4.580
660	C7H6N2O4	2,4-DINITROTOLUENE	21.9	1.5480	in benzene	1.95	4.668
661	C7H6N2O4	2,5-DINITROTOLUENE	25.0	1.4420	in benzene	4.32	5.070
662	C7H6N2O4	2,6-DINITROTOLUENE	—	—	in benzene	0.58	4.997
663	C7H6N2O4	3,4-DINITROTOLUENE	25.0	1.4790	in benzene	2.81	4.887
664	C7H6N2O4	3,5-DINITROTOLUENE	—	—	in benzene	6.39	4.859
665	C7H6O	BENZALDEHYDE	—	—	in benzene	4.32	5.314
666	C7H6O2	BENZOIC ACID	25.0	1.5428	gas	2.80	3.751
667	C7H6O2	p-HYDROXYBENZALDEHYDE	131.9	1.5040	in benzene	1.00	4.059
668	C7H6O2	SALICYLALDEHYDE	129.9	1.5105	in benzene	3.96	4.040
669	C7H6O3	SALICYLIC ACID	19.9	1.5718	in benzene	2.88	4.184
670	C7H7Br	p-BROMOTOLUENE	—	—	in dioxane	2.65	4.251
671	C7H7Cl	BENZYL CHLORIDE	25.0	1.5486	liquid	1.90	3.891
672	C7H7Cl	o-CHLOROTOLUENE	19.9	1.5391	in benzene	1.89	4.027
673	C7H7Cl	p-CHLOROTOLUENE	25.0	1.5233	gas	1.56	3.981
674	C7H7F	p-FLUOROTOLUENE	25.0	1.5187	gas	2.21	3.972
675	C7H7NO	FORMANILIDE	—	—	in benzene	1.68	—
676	C7H7NO2	m-NITROTOLUENE	—	—	in CCl4	3.37	4.113
677	C7H7NO2	o-NITROTOLUENE	19.9	1.5468	in benzene	4.23	4.468
678	C7H7NO2	p-NITROTOLUENE	25.0	1.5474	in benzene	3.75	4.309
679	C7H7NO3	o-NITROANISOLE	54.9	1.5312	in benzene	4.44	4.371
680	C7H8	TOLUENE	25.0	1.5597	gas	4.83	4.502
681	C7H8	1,3,5-CYCLOHEPTATRIENE	25.0	1.4941	gas	0.36	3.472
682	C7H8O	ANISOLE	—	—	—	—	—
683	C7H8O	BENZYL ALCOHOL	25.0	1.5143	gas	1.36	3.719
684	C7H8O	m-CRESOL	25.0	1.5384	gas	1.71	3.813
685	C7H8O	o-CRESOL	25.0	1.5396	gas	1.59	3.870
686	C7H8O	p-CRESOL	25.0	1.5442	gas	1.45	3.787
687	C7H8O2	GUAIACOL	25.0	1.5391	gas	1.56	3.762
688	C7H8O2	p-METHOXYPHENOL	25.0	1.5411	in benzene	2.46	4.020
689	C7H9N	BENZYLAMINE	—	—	—	—	4.040
690	C7H9N	2,6-DIMETHYLPYRIDINE	19.9	1.5424	in benzene	1.38	3.837
691	C7H9N	N-METHYLANILINE	19.9	1.4976	in benzene	1.64	3.861
692	C7H9N	m-TOLUIDINE	19.9	1.5700	in benzene	1.68	3.782
693	C7H9N	o-TOLUIDINE	25.0	1.5657	in benzene	1.49	3.876
694	C7H9N	p-TOLUIDINE	25.0	1.5699	in benzene	1.60	3.774
695	C7H10	2-NORBORNENE	24.9	1.5540	in benzene	1.31	3.783
696	C7H10N2	TOLUENEDIAMINE	—	—	in heptane	0.40	2.957
697	C7H11NO	CYCLOHEXYL ISOCYANATE	—	—	—	—	4.165
698	C7H12	1-HEPTYNE	25.9	1.5341	—	—	4.229
699	C7H12O2	n-BUTYL ACRYLATE	25.0	1.4060	gas	0.87	—
700	C7H12O2	ISOBUTYL ACRYLATE	25.0	1.4156	—	—	4.765
701	C7H12O2	n-PROPYL METHACRYLATE	—	—	—	—	4.585
702	C7H12O4	DIETHYL MALONATE	15.9	1.4200	in benzene	2.12	4.631
			19.9	1.4136	in benzene	2.54	4.710