|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| # | Name | SMILES | Drawing | Tg | Source |
| **Aliphatic acrylates** | |  |  |  |  |
| 1 | Poly(methyl acrylate) | COC(=O)C=C |  | 283 | #72 |
| 2 | Poly(ethyl acrylate) | CCOC(=O)C=C |  | 249 | #20 |
| 3 | Poly(propyl acrylate) | CCCOC(=O)C=C |  | 236 | #45 |
| 4 | Poly(isopropyl acrylate) | CC(C)OC(=O)C=C |  | 270 | #69 |
| 5 | Poly(butyl acrylate) | CCCCOC(=O)C=C |  | 219 | #3 |
| 6 | Poly(sec-butyl acrylate) | CC(OC(=O)C=C)CC |  | 250 | #4 |
| 7 | Poly(isobutyl acrylate) | C=CC(=O)OCC(C)C |  | 249 | #28 |
| 8 | Poly(tert-butyl acrylate) | C=CC(=O)OC(C)(C)C |  | 311 | #124 |
| 9 | Poly(2-methylbutyl acrylate) | C=CC(=O)OCC(C)CC |  | 241 | #35 |
| 10 | Poly(3-methylbutyl acrylate) | C=CC(=O)OCCC(C)C |  | 228 | #36 |
| 11 | Poly(3-pentyl acrylate) | C=CC(=O)OC(CC)CC |  | 267 | #43 |
| 12 | Poly(2-ethylbutyl acrylate) | C=CC(=O)OCC(CC)CC |  | 223 | #65 |
| 13 | Poly(1,3-dimethylbutyl acrylate) | C=CC(=O)OCC(C)C(C)CC |  | 258 | #15 |
| 14 | Poly(n-pentyl acrylate) | C=CC(=O)OCCCCC |  | 216 | #74 |
| 15 | Poly(2-methylpentyl acrylate) | C=CC(=O)OCC(C)CCC |  | 235 | #37 |
| 16 | Poly(hexyl acrylate) | C=CC(=O)OCCCCCC |  | 216 | #27 |
| 17 | Poly(2-ethylhexyl acrylate) | CCCCC(COC(=O)C=C)CC |  | 221 | 133 |
| 18 | Poly(heptyl acrylate) | CCCCCCCOC(=O)C=C |  | 213 | #67 |
| 19 | Poly(2-heptyl acrylate) | C=CC(=O)OC(C)CCCCC |  | 235 | #25 |
| 20 | Poly(n-octyl acrylate) | CCCCCCCCOC(=O)C=C |  | 208 | #128 |
| 21 | Poly(nonyl acrylate) | C=CC(=O)OCCCCCCCCC |  | 215 | #73 |
| 22 | Poly(dodecyl acrylate) | CCCCCCCCCCCCOC(C=C)=O |  | 270 | #16 |
| 23 | Poly(tetradecyl acrylate) | C=CC(=O)OCCCCCCCCCCCCCC |  | 297 | #46 |
| 24 | Poly(hexadecyl acrylate) | CCCCCCCCCCCCCCCCOC(=O)C=C |  | 308 | #26 |
| 25 | Poly(octadecyl acrylate) | CCCCCCCCCCCCCCCCCCOC(C=C)=O |  | 311 | #125 |
| 26 | Poly(cyclohexyl acrylate) | C=CC(=O)OC1CCCCC1 |  | 289 | #135 |
| 27 | Poly(fluromethyl acrylate) | C=CC(OCF)=O |  | 288 | #21 |
| 28 | Poly(2,2,2trifluoroethyl acrylate) | C=CC(=O)OCC(F)(F)F |  | 263 | #53 |
| 29 | Poly(heptafluoro-2-propyl acrylate) | C=CC(=O)OC(F)(C(F)(F)F)C(F)(F)F |  | 283 | #24 |
| 30 | Poly(2,2,3,3-tetrafluoropropyl acrylate) | FC(F)C(F)(F)COC(=O)C(=C) |  | 249 | #123 |
| 31 | Poly(1H,1H-pentafluropropyl acrylate) | C=CC(=O)OCC(F)(F)C(F)(F)F |  | 247 | #42 |
| 32 | Poly(1H,1H,3H-hexaflurobutyl acrylate) | C=CC(=O)OCC(F)(F)C(F)C(F)(F)F |  | 251 | #68 |
| 33 | Poly(1H,1H-heptafluorobutyl acrylate) | C=CC(OCC(F)(C(F)(C(F)(F)F)F)F)=O |  | 243 | #22 |
| 34 | Poly(1H,1H,5H-octafluoropentyl acrylate) | C=CC(=O)OCC(F)(F)C(F)(F)C(F)(F)C(F)F |  | 238 | #41 |
| 35 | Poly(1H,1H-nonafluoropentyl acrylate) | C=CC(=O)OCC(F)(F)C(F)(F)C(F)(F)C(F)(F)F |  | 236 | #40 |
| 36 | Poly(1H,1H-undecafluorohexyl acrylate) | C=CC(=O)OCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F |  | 234 | #56 |
| 37 | Poly(5,5,5-trifluoro-3-oxapentyl acrylate) | C=CC(OCCOCC(F)(F)F)=O |  | 235 | #54 |
| 38 | Poly(4,4,5,5-tetrafluoro-3-oxapentyl acrylate) | C=CC(OCCOC(F)(F)C(F)F)=O |  | 251 | #47 |
| 39 | Poly(2,2,3,3,5,5,5-heptafluoro-4-oxapentyl acrylate) | C=CC(OCC(F)(F)C(F)(F)OC(F)(F)F)=O |  | 218 | #23 |
| 40 | Poly(1H,1H-nonafluoro-4-oxahexyl acrylate) | C=CC(OCC(F)(F)C(F)(F)OC(F)(F)C(F)(F)F)=O |  | 224 | #39 |
| 41 | Poly(5,5,6,6,7,7,7-heptafluoro-3-oxaheptyl acrylate) | C=CC(OCCOCC(F)(F)C(F)(F)C(F)(F)F)=O |  | 228 | #66 |
| 42 | Poly(7,7,8,8-tetrafluoro-3,6-dioxaoctyl acrylate) | C=CC(OCCOCCOC(F)(F)C(F)F)=O |  | 233 | #76 |
| 43 | Poly(1H,1H-tridecafluoro-4-oxaoctyl acrylate) | C=CC(OCC(F)(F)C(F)(F)OC(F)(F)C(F)(F)C(F)(F)C(F)(F)F)=O |  | 205 | #55 |
| 44 | Poly(cyanomethyl acrylate) | C=CC(=O)OCC#N |  | 296 | #136 |
| 45 | Poly(2-cyanoethyl acrylate) | C=CC(=O)OCCC#N |  | 277 | #11 |
| 46 | Poly(2-cyanoisopropyl acrylate) | C=CC(=O)OC(C)C#N |  | 339 | #14 |
| 47 | Poly(2-cyanoisobutyl acrylate) | C=CC(=O)OCC(C)C#N |  | 324 | #10 |
| 48 | Poly(4-cyanobutyl acrylate) | C=CC(=O)OCCCC#N |  | 233 | #60 |
| 49 | Poly(2-cyanohexyl acrylate) | C=CC(OCC(C#N)CCCC)=O |  | 358 | #12 |
| 50 | Poly(2-cyanoheptyl acrylate) | C=CC(=O)OCC(C#N)CCCCC |  | 389 | #81 |
| 51 | Poly(5-cyano-3-oxapentyl acrylate) | C=CC(=O)OCCC(=O)CC#N |  | 250 | #61 |
| 52 | Poly(2-methoxyethyl acrylate) | COCCOC(=O)C=C |  | 223 | #71 |
| 53 | Poly(3-methoxybutyl acrylate) | C=CC(OCCC(OC)C)=O |  | 217 | #30 |
| 54 | Poly(2-ethoxyethyl acrylate) | C=CC(=O)OCCOCC |  | 223 | #64 |
| 55 | Poly(3-ethoxypropyl acrylate) | C=CC(=O)OCCCOCC |  | 218 | #19 |
| 56 | Poly(acrylic acid) | OC(=O)C=C |  | 374 | #120 |
| **-substituted acrylates** | |  |  |  |  |
| 57 | Poly(ethyl-α-chloroacrylate | CCOC(=O)C(=C)Cl |  | 366 | #140 |
| 58 | Poly(propyl-α-chloroacrylate | CCCOC(=O)C(=C)Cl |  | 344 | #139 |
| 59 | Poly(butyl-α-chloroacrylate) | CCCCOC(=O)C(=C)Cl |  | 330 | #141 |
| 60 | Poly(butyl cyanoacrylate) | CCCCOC(=O)C(=C)C#N |  | 374 | #149 |
| 61 | Poly(hexyl cyanoacrylate) | CCCCCCOC(=O)C(=C)C#N |  | 359 | #151 |
| 62 | Poly(octyl cyanoacrylate) | CCCCCCCCOC(=O)C(=C)C#N |  | 322 | #150 |
| **Aromatic acrylates** | |  |  |  |  |
| 63 | Poly(phenyl acrylate) | CC(=C)C(=O)Oc1ccccc1 |  | 330 | #75 |
| 64 | Poly(o-totyl acrylate) | C=CC(=O)Oc1ccccc1C |  | 325 | #52 |
| 65 | Poly(m-totyl acrylate) | C=CC(=O)Oc1cccc(C)c1 |  | 298 | #51 |
| 66 | Poly(p-totyl acrylate) | C=CC(=O)Oc1ccc(C)cc1 |  | 316 | #79 |
| 67 | Poly(2-tertbutylphenyl acrylate) | C=CC(=O)Oc1ccccc1C(C)(C)C |  | 345 | #5 |
| 68 | Poly(4-tertbutylphenyl acrylate) | C=CC(=O)Oc1ccc(C(C)(C)C)cc1 |  | 344 | #6 |
| 69 | Poly(2-chlorophenyl acrylate) | C=CC(Oc1ccccc1Cl)=O |  | 326 | #7 |
| 70 | Poly(4-chlorophenyl acrylate) | C=CC(=O)Oc1ccc(cc1)Cl |  | 331 | #8 |
| 71 | Poly(2,4-dichlorophenyl acrylate) | C=CC(=O)Oc1ccc(Cl)cc1Cl |  | 333 | 59 |
| 72 | Poly(4-cyanobenzyl acrylate) | C=CC(OCc1ccc(C#N)cc1)=O |  | 317 | #9 |
| 73 | Poly(4-methoxyphenyl acrylate) | C=CC(=O)Oc1ccc(OC)cc1 |  | 324 | #33 |
| 74 | Poly(3-methoxypropyl acrylate) | C=CC(=O)Oc1ccc(CCCOC)cc1 |  | 198 | #34 |
| 75 | Poly(2-methoxycarbonylphenyl acrylate) | C=CC(=O)Oc1ccccc1C(=O)OC |  | 319 | #70 |
| 76 | Poly(3-methoxycarbonylphenyl acrylate) | C=CC(=O)Oc1cccc(C(=O)OC)c1 |  | 311 | #31 |
| 77 | Poly(4-methoxycarbonylphenyl acrylate) | C=CC(=O)Oc1ccc(C(=O)OC)cc1 |  | 340 | #32 |
| 78 | Poly(2-ethoxyl-carbonyl-phenyl acrylate) | C=CC(=O)Oc1ccccc1C(=O)OCC |  | 303 | #17 |
| 79 | Poly(3-ethoxyl-carbonyl-phenyl acrylate) | C=CC(=O)Oc1cccc(C(=O)OCC)c1 |  | 297 | #18 |
| 80 | Poly(4-ethoxyl-carbonyl-phenyl acrylate) | C=CC(=O)Oc1ccc(C(=O)OCC)cc1 |  | 310 | #63 |
| 81 | Poly(3-dimethylaminophenyl acrylate) | C=CC(=O)Oc1cccc(N(C)C)c1 |  | 320 | #62 |
| 82 | Poly(4-butoxycarbonylphenyl acrylate) | C=CC(=O)Oc1ccc(C(=O)OCCCC)cc1 |  | 286 | 58 |
| 83 | Poly(2-naphthyl acrylate) | C=CC(=O)Oc2ccc1ccccc1c2 |  | 358 | #38 d |
| 84 | Poly(4-biphenyl acrylate) | C=CC(=O)Oc2ccc(c1ccccc1)cc2 |  | 383 | #2 |
| 85 | Poly(benzyl acrylate) | C=CC(=O)OCc1ccccc1 |  | 279 | #1 |
| 86 | Poly(phenylethyl acrylate) | C=CC(OCCc1ccccc1)=O |  | 270 | #44 |
| **Acrylamides** | |  |  |  |  |
| 87 | Poly(acrylamide) | C=CC(N)=O |  | 438 | #146 |
| 88 | N,N-Dimethylacrylamide | CN(C)C(=O)C=C |  | 362 | Sigma |
| 89 | Poly(N-isopropyl acrylamide) | C=CC(=O)NC(C)C |  | 403 | #145 |
| 90 | Poly(N-sec-butylacrylamide) | C=CC(=O)NC(C)CC |  | 390 | #142 |
| 91 | Poly(N-tert-butyl acrylamide) | C=CC(=O)NC(C)(C)C |  | 401 | #143 |
| 92 | Poly(N-octyl acrylamide) | CCCCCCCCNC(=O)C=C |  | 220 | #144 |
| **Acrylonitriles** | |  |  |  |  |
| 93 | Poly(acrylonitrile) | C=CC#N |  | 383 | #147 |
| 94 | Poly(methacrylonitrile) | CC(=C)C#N |  | 388 | #148 |
| **Polystyrenes** | |  |  |  |  |
| 95 | Polystyrene | C=Cc1ccccc1 |  | 373 | #114 |
| 96 | 3-methylstyrene | C=Cc1cc(C)ccc1 |  | 370 | Sigma |
| 97 | 4-methylstyrene | C=Cc1ccc(C)cc1 |  | 370 | Sigma |
| 98 | 2,4-dimethylstyrene | C=Cc1c(C)cc(C)cc1 |  | 385 | Sigma |
| 99 | 2,5-dimethylstyrene | C=Cc1c(C)ccc(C)c1 |  | 416 | Sigma |
| 100 | Poly(4-sec-butylstyrene) | C=Cc1ccc(C(CC)C)cc1 |  | 359 | #86 |
| 101 | Poly(5-tert-butyl-2-methylstyrene) | C=Cc1cc(C(C)(C)C)ccc1C |  | 360 | #85 |
| 102 | Poly(4-p-toluoylstyrene) | C=Cc2ccc(c1ccc(C)cc1)cc2 |  | 372 | #107 |
| 103 | Poly(4-fluorostyrene) | C=Cc1ccc(cc1)F |  | 376 | #115 |
| 104 | Poly(2,5-difluorostyrene) | C=Cc1cc(F)ccc1F |  | 374 | #116 |
| 105 | Poly(2-chlorostyrene) | C=Cc1ccccc1Cl |  | 395 | #118 |
| 106 | Poly(4-chlorostyrene) | C=Cc1ccc(cc1)Cl |  | 398 | #117 |
| 107 | Poly(4-bromostyrene) | C=Cc1ccc(cc1)Br |  | 411 | #119 |
| 108 | Poly[4-(1-hydroxy-1-methylhexyl)styrene] | C=Cc1ccc(C(C)(O)CCCCC)cc1 |  | 364 | #110 |
| 109 | Poly(2-methoxystyrene) | C=Cc1ccccc1OC |  | 348 | #112 |
| 110 | Poly(4-methoxy-2-methylstyrene) | C=Cc1ccc(OC)cc1C |  | 358 | #111 |
| 111 | Poly(4-propoxystyrene) | C=Cc1ccc(OCCC)cc1 |  | 343 | #106 |
| 112 | Poly(4-methoxymethylstyrene) | C=Cc1ccc(COC)cc1 |  | 350 | #102 |
| 113 | Poly(2-ethoxymethylstyrene) | C=Cc1ccccc1CCOC |  | 347 | #90 |
| 114 | Poly(4-ethoxymethylstyrene) | C=Cc1ccc(CCOC)cc1 |  | 359 | #91 |
| 115 | Poly(2-isopropoxymethylstyrene) | C=Cc1ccccc1COC(C)C |  | 361 | #101 |
| 116 | Poly(2-isopentyloxymethylstyrene) | CC(CCOC(c1c(C=C)cccc1)=O)C |  | 351 | #99 |
| 117 | Poly[4-(2-hydroxybutoxymethyl)styrene] | C=Cc1ccc(COCC(O)CC)cc1 |  | 319 | #95 |
| 118 | Poly(4-phenoxystyrene) | C=Cc2ccc(Oc1ccccc1)cc2 |  | 373 | #113 |
| 119 | Poly(4-p-anisoylstyrene) | C=Cc2ccc(Cc1ccc(OC)cc1)cc2 |  | 376 | #109 |
| 120 | Poly(4-butyrylstyrene) | C=Cc1ccc(C(=O)CCC)cc1 |  | 347 | #87 |
| 121 | Poly(4-valerylstyrene) | C=Cc1ccc(C(=O)CCCC)cc1 |  | 343 | #108 |
| 122 | Poly(4-hexanoylstyrene) | C=Cc1ccc(C(=O)CCCCC)cc1 |  | 339 | #92 |
| 123 | Poly(4-octanoylstyrene) | C=Cc1ccc(C(=O)CCCCCCC)cc1 |  | 323 | #103 |
| 124 | Poly(4-phenylacetylstyrene) | C=Cc2ccc(C(=O)Cc1ccccc1)cc2 |  | 351 | #104 |
| 125 | Poly(4-ethoxycarbonylstyrene) | C=Cc1ccc(C(=O)OCC)cc1 |  | 367 | #89 |
| 126 | Poly(4-isopropoxycarbonylstyrene) | C=Cc1ccc(C(=O)OC(C)C)cc1 |  | 368 | #100 |
| 127 | Poly(4-propoxycarbonylstyrene) | C=Cc1ccc(C(=O)OCCC)cc1 |  | 365 | #105 |
| 128 | Poly(4-isobutoxycarbonylstyrene) | C=Cc1ccc(C(=O)OCC(C)C)cc1 |  | 363 | #97 |
| 129 | Poly(2-isopentyloxycarbonylstyrene) | CC(CCOC(c1c(C=C)cccc1)=O)C |  | 341 | #98 |
| 130 | Poly(2-butoxycarbonylstyrene) | C=Cc1ccccc1C(=O)OCCCC |  | 339 | #83 |
| 131 | Poly(4-butoxycarbonylstyrene) | C=Cc1ccc(C(=O)OCCCC)cc1 |  | 349 | #84 |
| 132 | Poly(2-hexyloxycarbonylstyrene) | C=Cc1ccccc1C(=O)OCCCCCC |  | 318 | #93 |
| 133 | Poly(4-hexyloxycarbonylstyrene) | C=Cc1ccc(C(=O)OCCCCCC)cc1 |  | 339 | #94 |
| 134 | Acetoxystyrene | C=Cc1ccc(OC(C)=O)cc1 |  | 389 | Sigma |
| 135 | Poly(4-diethylcarbamoylstyrene) | C=Cc1ccc(C(=O)N(CC)CC)cc1 |  | 375 | #88 |
| 136 | Poly(4-benzoylstyrene) | C=Cc2ccc(C(=O)c1ccccc1)cc2 |  | 371 | #82 |
| 137 | Poly(4-[(1-hydroxyimino)-2phenethyl]styrene) | C=Cc2ccc(C(Cc1ccccc1)=NO)cc2 |  | 384 | #96 |
| **Alkenes** | |  |  |  |  |
| 138 | |  |  | | --- | --- | |  | Poly(vinyl fluoride) | | FC=C |  | 300 | Github384 |
| 139 | |  |  | | --- | --- | |  | Poly(vinyl chloride) | | ClC=C |  | 350 | Github391 |
| 140 | Poly(vinyl bromide) | BrC=C |  | 373 | #153 |
| 141 | Poly(vinylidene fluoride) | FC(=C)F |  | 242 | #152 |
| 142 | Poly(vinylidene chloride) | ClC(=C)Cl |  | 270 | Github#392 |
| 143 | Poly(tetrafluoroethylene) | FC(=C(F)F)F |  | 390 | Gibthub#379 |
| 144 | Poly(chlorotrifluoroethylene) | FC(=C(F)F)Cl |  | 360 | #154 |
| 145 | 1-butene | C=CCC |  | 249 | Sigma |
| 146 | 4-methylpentene | C=CCC(C)C |  | 302 | Sigma |
| 147 | 1-octene | C=CCCCCCC |  | 210 | Sigma |
| 148 | Poly(1,2-butadiene) | C=CC=C |  | 268 | #199 |
| 149 | Polyisoprene (cis) | CC=CC=C |  | 204 | #203 |
| 150 | Poly(1-ethyl-1,4-butadiene) | CCC=CC=C |  | 197 | #201 |
| 151 | Indene | c1ccc2c(c1)CC=C2 |  | 358 | Sigma |
| 152 | Aceneaphtylene | c1(ccc2)c3c2cccc3C=C1 |  | 487 | Sigma |
| **Polyhydroxyalcanoates** | |  |  |  |  |
| 153 | Polyglycolic acid | OCCC(O)=O |  | 312 | #163 |
| 154 | Polylactic acid | OC(=O)C(O)C |  | 332 | #158 |
| 155 | Poly(4-hydroxybutyrate) | O=C(O)CCCO |  | 221 | #159 |
| 156 | Poly(3-hydroxybutyrate) | CC(O)CC(O)=O |  | 276 | #160 |
| 157 | Poly(caprolactone) | O=C(CCCCCO)O |  | 208 | #170 |
| 158 | Poly(ethylene succinate) copo | OC(CCC(OCCO)=O)=O |  | 267 | #171 |
| 159 | Poly(1,3-propylene succinate) copo | OC(CCC(OCCCO)=O)=O |  | 232 | #156 |
| 160 | Poly(1,4-butylene succinate) | OC(CCC(OCCCCO)=O)=O |  | 237 | #174 |
| 161 | Poly(1,6-hexylene succinate) copo | OC(CCC(OCCCCCCO)=O)=O |  | 220 | #161 |
| 162 | Poly(ethylene adipate) copo | OC(CCCCC(OCCO)=O)=O |  | 230 | #168 |
| 163 | Poly(1,3-propylene adipate) copo | OC(CCCCC(OCCCO)=O)=O |  | 215 | #157 |
| 164 | Poly(butylene adipate) | OC(CCCCC(OCCCCO)=O)=O |  | 202 | #177 |
| 165 | Poly(ethylene sebacate) copo | OC(CCCCCCCCC(OCCO)=O)=O |  | 244 | #172 |
| 166 | Poly(1,4-butylene sebacate) copo | OC(CCCCCCCCC(OCCCCO)=O)=O |  | 214 | #175 |
| 167 | Poly(1,6-hexylene sebacate) copo | OC(CCCCCCCCC(OCCCCCCO)=O)=O |  | 213 | #162 |
| **Phthalates** | |  |  |  |  |
| 168 | Poly(ethylene phthalate) | OC(c1ccccc1C(OCCO)=O)=O |  | 297 | #165 |
| 169 | Poly(ethylene isophthalate) | OC(c1cccc(C(OCCO)=O)c1)=O |  | 324 | #167 |
| 170 | Poly(tetramethylene isophthalate) | OC(c1cc(C(OCCCO)=O)ccc1)=O |  | 297 | #176 |
| 171 | Poly(bisphenol A isophthalate) | O=C(c1cccc(C(O)=O)c1)Oc2ccc(C(C)(C)c3ccc(O)cc3)cc2 |  | 462 | #179 |
| 172 | Poly(ethylene terephthalate) | O=C(OCCO)c1ccc(C(O)=O)cc1 |  | 344 | #164 |
| 173 | Poly(trimethylene terephthalate) | O=C(c1ccc(C(O)=O)cc1)OCCCO |  | 327 | #155 |
| 174 | Poly[(tetramethylene terephthalate) | O=C(c1ccc(C(O)=O)cc1)OCCCCO |  | 313 | #173 |
| 175 | Poly(cyclohexanedimethylene terephthalate) | O=C(c1ccc(C(O)=O)cc1)OCC2CCC(CO)CC2 |  | 364 | #169 |
| 176 | Poly(Bisphenol A terephthalate) | O=C(c1ccc(C(O)=O)cc1)Oc2ccc(C(C)(C)c3ccc(O)cc3)cc2 |  | 472 | #178 |
| 177 | Poly(ethylene 2,6-naphthalate) | O=C(OCCO)c(c1)ccc2c1ccc(C(O)=O)c2 |  | 392 | #166 |
| **Terephthalamides** | |  |  |  |  |
| 178 | Poly(hexamethylene teraphthalamide) | O=C(c1ccc(C(Cl)=O)cc1)NCCCCCCN |  | 412 | #208 |
| 179 | Poly(nonamethylene teraphthalamide) | O=C(c1ccc(C(Cl)=O)cc1)NCCCCCCCCCN |  | 394 | #205 |
| 180 | Poly(m-phenylene terephthalamide) | ClC(c1cccc(C(Nc2cc(N)ccc2)=O)c1)=O |  | 537 | #206 |
| 181 | Poly(p-phenylene terephthalamide) | O=C(c1ccc(C(Cl)=O)cc1)Nc2ccc(N)cc2 |  | 600 | #207 |
| **Glycols** | |  |  |  |  |
| 182 | Polymethylene glycol | OCO |  | 211 | #191 |
| 183 | Poly(ethylene glycol) | OCCO |  | 225 | #188 |
| 184 | Poly(trimethylene glycol) | OCCCO |  | 191 | #181 |
| 185 | Poly(propylene glycol) | OC(C)CO |  | 200 | #183 |
| 186 | Poly(tetramethylene glycol) | OCCCCO |  | 189 | #182 |
| 187 | Poly(hexamethylene glycol) | OCCCCCCO |  | 204 | #187 |
| **Lactams** | |  |  |  |  |
| 188 | Poly(propano-3-lactam) | NCCC(O)=O |  | 384 | #218 |
| 189 | Poly(6-aminohexanoic acid) | O=C(O)CCCCCN |  | 324 | #217 |
| 190 | Poly(octano-8-lactam) | NCCCCCCCC(O)=O |  | 324 | #216 |
| 191 | Poly(decano-10-lactam) | NCCCCCCCCCC(=O)O |  | 315 | #215 |
| 192 | Poly(dodecano-12-lactam) | NCCCCCCCCCCCC(=O)O |  | 313 | #214 |
| **Polyamides** | |  |  |  |  |
| 193 | Poly(iminohexamethyleneiminododecanedioyl) | OC(CCCCCCCCC(NCCCCCCN)=O)=O |  | 319 | #210 |
| 194 | Poly(decamethylene sebacamide) | OC(CCCCCCCCCCC(NCCCCCCN)=O)=O |  | 323 | #209 |
| 195 | Poly(hexamethylene adipamide) | OC(CCCCC(NCCCCCCN)=O)=O |  | 324 | #213 |
| 196 | Poly(hexamethylene azelamide) | OC(CCCCCCCC(NCCCCCCN)=O)=O |  | 332 | #212 |
| **Polyketones** | |  |  |  |  |
| 197 | Poly(ethyleneketone) | C=CC=O |  | 291 | #197 |
| 198 | Poly(propyleneketone) | C=C(C=O)C |  | 312 | #196 |
| 199 | Poly(ether ether ketone) | O=C(c1ccc(O)cc1)c2ccc(Oc3ccccc3)cc2 |  | 437 | #198 |
| **Polycarbonates** | |  |  |  |  |
| 200 | 2-hydroxyethyl hydrogen carbonate | OCCOC(O)=O |  | 283 | Antoine |
| 201 | 2-hydroxypropyl hydrogen carbonate | CC(O)COC(O)=O |  | 315 | Antoine |
| 202 | 2-hydroxybutyl hydrogen carbonate | OC(CC)COC(O)=O |  | 282 | Antoine |
| 203 | 2-hydroxy-2-phenylethyl hydrogen carbonate | OC(c1ccccc1)COC(O)=O |  | 353 | Antoine |
| 204 | 3-chloro-2-hydroxypropyl hydrogen carbonate | OC(CCl)COC(O)=O |  | 304 | Antoine |
| **Various** | |  |  |  |  |
| 205 | Formaldehyde | C=O |  | 191 | Sigma |
| 206 | Acetaldehyde | CC=O |  | 241 | Sigma |
| 207 | Poly(epichlorohydrin) | OCCCCl |  | 252 | #189 |