

## Narrow Polymer Standards

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From 1976 to 81 with Du Pont and then 1982-1994 with PL, I have had an interest in narrow GPC standards for 28 years.

The following is a partial list:

Block co-polymers AB (& deuterated), ABA, BAB, ABC & stars/combs please enquire!

Nylon 6,6 32k - 110k (broad) and nylon 6 17k - 41k (p.d. 1.5 to 2.0)  
Oligo(ethylene) 72 to 2.2k, oligo(styrene) 1k - 10k, p(4-acetoxy styrene)

p(acrylonitrile) broad 85k to 193k (& deut'd), p(4-bromo styrene)  
p(butadiene 1,4) 500 to 1050k & kit, p(b'd 1,2) to 280k & deuterated  
p(n- & t-butyl acrylates) to 287k, p(n-butyl, s- and t-butyl methacrylates)

p(4-t-butyl styrene) 1k to 3000k. P(butylene terephthalate) to 55k broad.

p(t-butyl vinyl ketone) to 450k & kit, p(iso-butylene) to 1000k and kit.

p(carbonate) to 203k & kit (broad), & p(alkyl carbonates).

P(E-caprolactones). p(o- & p-chloro styrenes), p(decyl methacrylate), PDMS to 1620k.

Terminations include CN, dansyl amide / methylsilane.

p(2,6-dimethyl-p-phenylene oxide) 12k to 56k (p.d. 1.2 to 1.5).

p(ethyl acrylate) to 139k, p(ethylhexyl acrylate), p(ethyl methacrylate)

p(ethyl methyl siloxane), polyethylene to 1200k (Mv) narrow or broad.

PET to 63k (broad) and deuterated in 2 different ways.

p(glycidyl methacrylate), p(3-hexafluoro-2-hydroxy propyl - styrene)

p(hydroxy propyl acrylate), p(hydroxy and di-hydroxy-PPO),

p(4-hydroxyl styrene), p(iso-butylene), p(isoprenes -1,4 and -3,4),

p(L-lactide), p(4-methoxy styrene), p(methyl acrylate) and PMMA

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p(alpha and 4- methyl styrenes), p(n-nonyl methacrylate),

p(octadecyl methacrylate), p(phenyl methyl siloxane) 4.7k to 167k,  
p(2,6dimethyl-p-phenylene oxide) 13k to 56k (p.d. 1.20 to 1.30)  
p(n-propyl methacrylate) 480k Mw (pd 1.5), p(propylene) 700 to  
445k, p(propylene glycol) to  
11k. P(stearyl methacrylate), Polystyrenes, iso- and syndio-tactic,  
EasiCal™ kits &  
deuterated. (terminations include acetoxy, butadiene, Cl & Br.)  
Bimodal e.g. 1450/2900  
Poly(THF), Pullulans, p(vinyl acetate), p(9-vinyl anthracene),  
p(4-vinyl -benzoic acid), -Na salt, -benzyl tetrahydrofurfuryl ether  
and  
p(4-vinyl - benzyl chloride). p(vinyl butyral) broad, p(N-vinyl  
carbazole), PVC 100 to 320k.  
p(2-vinyl naphthalene) 1.8k to 109k ,  
p(9-vinyl phenanthrene) 2k to 17k, and broad 6k.  
p(2-vinyl pyridine) 1k to 1500k and kit, & p(4-vinyl pyridine) 1k to  
160k. Others as at

[www.ampolymer.com](http://www.ampolymer.com) & [www.polymersource.com](http://www.polymersource.com)

[www.gearingscientific.net](http://www.gearingscientific.net)

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