

## Hydrophilic Polymer Standards

Gearing Scientific Ltd  
1 Ashwell St  
Ashwell  
Herts  
SG7 5QF  
GB  
Tel: 44 1462 742 007  
Fax: 44 1462 742 565

Carboxy methyl cellulose (Na salt) 48k to 112k.  
Dextrans (branched) 180 to 8.7million, narrow or broad distribution.  
Hydroxy ethyl starches (branched) 9.6k to 2600k and kits.  
Hydroxy propyl cellulose 12k to 56k narrowish and to 865k broad.  
Hydroxy propyl methyl cellulose (broad) 63k and 94k (p.d. 3)  
p(acrylamide) 3k to 9000k and kits.  
p(acrylic acid) 1k to 136k, Na salt 620 to 1700k & Cs salt.  
p(allylamine hydrochloride) Mw 35k (pd 1.4) and 99k (pd 1.7)  
poly(N,N-dimethyl acrylamide) 1k to 50k  
PEG's 62 to 100k & with mono- or di-methyl ethers or glycol end groups. PEO's 6.7k to 1500k with range of end groups. (& deuterated).  
p(2-hydroxy ethyl acrylate) and p(2-hydroxy ethyl methacrylate)  
p(N-isopropyl acrylamide) Mv 67k to 963k broad and deuterated option.  
Polymaltotriose - see pullulans below please.  
p(methacrylic acid) 2k to 680k, Na and Cs salts as well as acid.  
p(methyl vinyl ether) 3.9k to 51k. Polypropylene glycol.  
Polysaccharides - please see dextran (branched) or pullulan (linear).  
p(styrene carboxylic acid) 1k to 50k and Na salt.  
p(styrene sulphononic acid) dialysed or un-dialysed. & Na salt.  
p(vinyl acetate) broad. p(vinyl alcohol) 5.8k to 200k.  
p(vinyl butyral) broad. P(2-vinyl-N-methyl pyridinium iodide),  
p(4-vinyl-N-methyl pyridine iodide) 4k to 54k.  
p(2-vinyl pyridine) 3.5k to 1300k. P(2-vinyl pyridinium bromide).  
p(vinyl pyrrolidone) 1.3k to 3500k. Pullulans as kits 180 to 800k or individual pullulans (linear polysaccharides) from 5.9k to 825k.

Wide range of co-polymers - seen at [www.polymersource.com](http://www.polymersource.com) including AB, ABC, ABA, & random & alternating ones. Star-shaped polymers based on p(styrene), PEO, p(isoprene), p(butadiene) or PDMS, with hydroxy, amino, thiol or carboxy terminations.  
COMBS based on p(styrene) as backbone with side-arms of PEO, PDMS, PMMA, p(acrylic acid) or p(2-vinyl pyridine).  
Anthracene labelled p(styrene) or p(butadiene 1,4) or bithiophene labelled p(styrene). C<sup>13</sup>OOH labelled p(styrene) or PMMA.