

Material Properties Quick Reference



CARBON CHEMISTRY®

Product Name	Particle Size	pH	Average of CC Lots (pH Effect) *
Activated Alumina	>600 - <1410 μm (+28 to -14 mesh)	9.0 - 10.0	\approx 9.0 pH (Immobile)
Alumicel™ A	50 - 150 μm	4.0 - 5.0	\approx 4.7 pH (Immobile)
Alumicel™ B	50 - 150 μm	9.0 - 10.5	\approx 9.9 pH (Immobile)
Alumicel™ N	50 - 150 μm	6.0 - 8.0	\approx 6.7 pH (Immobile)
MagSil-PR®	125 - 500 μm	9.5 - 10	\approx 9.7 pH (Semi-Mobile)
Molecular Sieve Beads	3A & 4A ~ 8x4 mesh = 2.38 - 4.76 mm \approx 1/8" 10Å ~ 12x8 mesh = 1.68 - 2.38 mm \approx 1/16"	10.5	\approx 10.5 pH (Buffered)
Pure-Flo® B80	1 - 140 μm (83% <45 μm)	<7.8	\approx 7.2 pH (Buffered)
Silica 60A	37 - 63 μm	6.5 - 7.5	\approx 7.0 pH (Immobile)
T-12™	5 - 200 μm	2.5 - 3.5	\approx 3.2 pH (<0.3% Mobile)
T-41®	5 - 200 μm	3 - 3.5	\approx 3.12 pH (<0.3% Mobile)
T-5®	5 - 200 μm	6 - 11	\approx 7 pH (Buffered)
ZeoClear™ L	>250 - <595 μm (+60 to -30 mesh)	6.7	\approx 6.7 pH (Buffered)
ZeoClear™ L fine	>175 - <250 μm (+90 to -60 mesh)	6.7	\approx 6.7 pH (Buffered)
ZeoClear™ Y	>250 - <595 μm (+60 to -30 mesh)	9.2	\approx 9.2 pH (Buffered)

* (pH Effect): Mobile ~ media contains some free acid/alkali that may leach into filtrates

Immobile ~ no free acid/alkali, but media may change pH of acidic/alkaline filtrates (may adsorb H^+ or OH^-)

Buffered ~ ions in media may exchange with those in filtrates (adsorbs cations and/or anions, mainly via water)