

MIXED BED RESINS

Tulsion®	Type	Matrix Structure	Functional Group	Ionic Form Supplied	Screen Size US Mesh	Particle Size mm (Min. 95%)	Stability Max Temp °F / °C	pH Range	Total Exchange Capacity meq/ml. (min)	Backwash Settled Density lbs/cft g/l	Reversible Swelling % Approx	Moisture Content % Approx	Features	Applications
MB-104	Strong Acid Strong Base Mixture	Polystyrene Copolymer	Nuclear Sulphonic /Quaternary Ammonium Type I	Li ⁺ /OH ⁻ form Mixture	16-50	0.3-1.2	175/80	0-14	1.8/1.0 Li ⁺ /OH ⁻	44-47 700-750	NA	—	Intimate mixture strong acid T-46 Li ⁺ form and strong base A-33 OH ⁻ form containing in a 1:2 volume ratio.	Final polishing of circulating water in nuclear industry.
MB-106	Strong Acid Strong Base Mixture	Polystyrene Copolymer	Nuclear Sulphonic /Quaternary Ammonium Type I	H ⁺ /OH ⁻ form Mixture	16-50	0.3-1.2	175/80	0-14	1.8/1.0 H ⁺ /OH ⁻	44-47 700-750	NA	—	Intimate mixture strong acid T-46 Li ⁺ form and strong base A-33 OH ⁻ form containing in a 1:2 volume ratio.	Final polishing of circulating water in nuclear industry
MB-108 (BG)	Strong Acid Strong Base mixture	Polystyrene Copolymer	Nuclear Sulphonic /Quaternary Ammonium Type I	Free Base (OH ⁻) and /H ⁺	16-50	0.3-1.2	175/80	0-14	1.8/1.0 H ⁺ /OH ⁻	44-47 700-750	NA	—	High purity mixed bed resin with highly Effective separation. Volume ratio 1:2 (T-46 Black : A-33 Gold).	Used in high purity water applications.
MB-108 P	Strong Acid Strong Base mixture	Polystyrene Copolymer	Nuclear Sulphonic /Quaternary Ammonium Type I	H ⁺ /OH ⁻ form Mixture	16-50	0.3-1.2	175/80	0-14	1.8/1.0 H ⁺ /OH ⁻	44-47 700-750	NA	—	Intimate mixture of strong acid T-46 H ⁺ form and strong base Type I (A-33) OH ⁻ form in a 1:2 volume ratio.	Used in high purity water applications.
MB-115 (BG)	Strong Acid Strong Base mixture	Polystyrene Copolymer	Nuclear Sulphonic /Quaternary Ammonium Type I	H ⁺ /OH ⁻ form Mixture	16-50	0.3-1.2	175/80	0-14	1.8/1.0 H ⁺ /OH ⁻	44-47 700-750	NA	—	Intimate mixture of strong acid T-46 H ⁺ form and strong base Type I (A-33) OH ⁻ form in a 1:1.5 volume ratio.	For production of ultra pure water.
MB-1228	Strong Acid Strong Base Mixture	Polystyrene Copolymer	Nuclear Sulphonic /Quaternary Am- monium Type I	H ⁺ /OH ⁻ form Mixture	16-50	0.3-1.2	175/80	0-14	1.8/1.0 H ⁺ /OH ⁻	44-47 700-750	NA	-	Intimate mixture of strong acid T-42 NS H ⁺ form and strong base Type I A-24 OH ⁻ form in a 1:2 volume ratio.	Ultra pure resins to be used in point of use ultrapure water producing system.
MB-110	Strong Acid Strong Base Mixture	Polystyrene Copolymer	Nuclear Sulphonic /Quaternary Am- monium Type I	H ⁺ /OH ⁻ form Mixture	16-50	0.3-1.2	175/80	0-14	1.8/1.0 H ⁺ /OH ⁻	44-47 700-751	NA	-	Intimate mixture of strong acid T-46 H ⁺ form and strong base Type I (A-33) OH ⁻ form in a 1:1 volume ratio.	Composed of super regeneration cation and anion to produce pure water with conductivity < 0.1 micro siemens/cm2
MB-115	Strong Acid Strong Base Mixture	Polystyrene Copolymer	Nuclear Sulphonic /Quaternary Ammonium Type I	H ⁺ /OH ⁻ form Mixture	16-50	0.3-1.2	175/80	0-14	1.8/1.0 H ⁺ /OH ⁻	44-47 700-751	NA	-	Intimate mixture of strong acid T-46 H ⁺ form and strong base Type I (A-33) OH ⁻ form in a 1:1.5 volume ratio.	For production of ultra pure water.
MB-114	Strong Acid Strong Base Mixture	Polystyrene Copolymer	Nuclear Sulphonic /Quaternary Ammonium Type I	H ⁺ /OH ⁻ form Mixture	16-50	0.3-1.2	175/80	0-14	1.8/1.0 H ⁺ /OH ⁻	44-47 700-751	NA	-	Intimate mixture of strong acid T-46 H ⁺ form and strong base Type II (A-32) OH ⁻ form in a 1:2 volume ratio.	For production of ultra pure water.