

Tulsion® Demineralization Anion Exchange Resins

Tulsion®	A-23	A23-P	A-32	A-27MP
TYPE	Strong base	Strong base	Strong base	Strong base
MATRIX STRUCTURE	Polystyrene Copolymer	Polystyrene Copolymer	Polystyrene Copolymer	Polystyrene Copolymer
FUNCTIONAL GROUP	Quaternary Ammonium Type I	Quaternary Ammonium Type I	Quaternary Ammonium Type II	Quaternary Ammonium Type I
IONIC FORM SUPPLIED	Chloride	Chloride	Chloride	Chloride
SCREEN SIZE (U.S. MESH)	16-50	16-50	16-50	16-50
PARTICLE SIZE (mm)	0.3-1.2	0.3-1.2	0.3-1.2	0.3-1.2
MAXIMUM TEMP. STABILITY (°C /°F)	80°C 175°F	80°C 175°F	60°C 140°F	80°C 175°F
pH RANGE	0-14	0-14	0-14	0-14
TOTAL EXCHANGE CAPACITY (Meq/ml)	1.3	1.25	1.3	1.2
BACKWASH SETTLED DENSITY lbs/cft g/l	42-44 670-710	42-44 670-710	43-45 690-720	42-44 670-710

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REVERSIBLE SWELLING %	Cl ⁻ >> OH ⁻ 20	Cl ⁻ >> OH ⁻ 25	Cl ⁻ >> OH ⁻ 12	Cl ⁻ >> OH ⁻ 9
MOISTURE CONTENT APRX. %	53	53	47	58
FEATURES	Tough gel, strong base Type I anion exchange resin. Excellent physical and chemical properties	Porous strong base Type I anion exchange resin. Excellent physical and chemical properties.	Tough gel, Type II strong base anion exchange resin. Excellent physical and chemical properties.	Macroporous strong base Type I anion exchange resin with excellent physical and chemical stability and resistance to organic fouling.
APPLICATIONS	Multiple and mixed bed deionization, silica removal. Also applied in process stream purification along with Tulsion T-42	Multiple and mixed bed deionization, silica removal.	Multiple bed deionization, Nitrate removal.	Multiple bed deionization, dealkalization and silica removal.

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