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Resin Products

Suppliers of world class products for energy and environment

Tulsion® Condensate Polishing Resins

Tulsion®	Type	Matrix Structure	Functional Group	Ionic Form Supplied	Screen Size US Mesh	Particle Size mm	Stability Max Temp °F/°C	pH Range	Specific Surface Area M2/gm (min)	Backwash Settled Density lbs/cft g/l	Reversible Swelling %	Moisture Content Approx. %
T-42 MP	Strong Acid	Polystyrene Copolymer	Nuclear Sulphonic	Hydrogen Sodium	16-50	0.3-1.2	250-120 H ⁺ 280/140 Na ⁺	0-14	1.6	50-52 H ⁺ 800-830 H ⁺ 52-54 Na ⁺ 830-870 Na ⁺	Na ⁺ >>H ⁺ 6	58 H ⁺ 44 Na ⁺
A-21	Strong Base	Polystyrene Copolymer	Quaternary Ammonium Type I	Chloride	20-40	0.42-0.85	175/80 Cl ⁻	0-14	1.3	42-44 670-710	Cl ⁻ >>OH ⁻ 20	53
A-21 MP	Strong Base	Polystyrene Copolymer	Quaternary Ammonium Type I	Chloride Carbonate	20-40	0.42-0.85	175/80 Cl ⁻	0-14	1.2	42-44 670-710	Cl ⁻ >>OH ⁻ 10	58
A-29	Strong Base	Polystyrene Copolymer	Quaternary Ammonium Type I	Hydroxide	100-400	0.03-0.15	320/160	0-14	3.5 (meq/gm)	-	-	60

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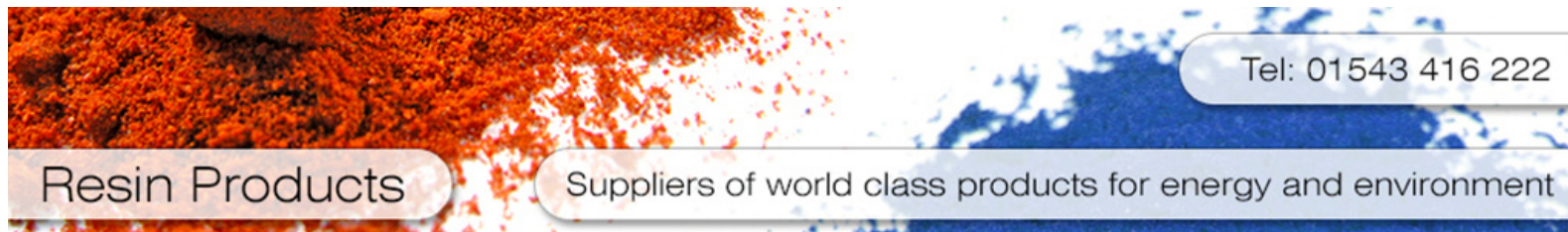
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TA-100	Inert	Polystyrene Copolymer	Nil	-	20-40	0.42-0.85 (80%)	210/100	0-14	-	48-50 770-800	-	-
T-48	Strong Acid	Polystyrene Copolymer	Nuclear Sulphonic	Hydrogen	100-400	0.03-0.15	320/160	0-14	4.5 (meq/gm)	NA	NA	53
T-50	Strong Acid	Polystyrene Copolymer	Nuclear Sulphonic	Hydrogen	20-40	0.42-0.85	250/120	0-14	1.8	51-53 800-840	Na ⁺ >>H ⁺ 7	52
T-52	Strong Acid	Polystyrene Copolymer	Nuclear Sulphonic	Hydrogen	16-50	0.3-1.2	250/120	0-14	2.0	52-54 830-860	Na ⁺ >>H ⁺ 6	48

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Features and Applications

Tulsion®	Features	Applications
T-42 MP	Macroporous strong acid cation exchange resin with excellent physical and chemical characteristics.	High flow condensate polishing, continuous ion exchange systems and chemical processing.
A-21	Strong base gel Type I anion exchange resin with excellent bead strength and controlled particle size.	High flow, deep bed condensate polishing.
A-21 MP	Macroporous strong base Type I anion exchange resin with superior bead strength and controlled particle size cut.	High flow, deep bed condensate polishing.
A-29	Strong base Type I anion exchange resin, supplied in powder form.	Condensate polishing deploying Precoat Filler process.
TA-100	Acrylic based white coloured resin having density intermediate of that of cation and anion exchange resin.	Minimises cross contamination of cation and anion during mixed bed regeneration.
T-48	Strong acid cation exchange resin supplied in powder form.	Condensate polishing deploying Precoat Filler process.
T-50	Strong acid cation exchange resin having controlled particle size cut.	High flow, deep bed condensate polishing.
T-52	Higher cross-linked strong acid cation exchange resin having excellent resistance to oxidising agents and temperature.	Multiple and mixed bed demineralisation operating under rigorous conditions.

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