

Tel: 01543 416 222

Resin Products

Suppliers of world class products for energy and environment

### **Tulsion® Special Grade Ion Exchange Resins**

<b>Tulsion®</b>	Type	Matrix Structure	Functional Group	Ionic Form Supplied	Screen Size US Mesh	Particle Size mm	Stability Max Temp °F/°C	pH Range	Total Exchange Capacity (meq/ml)	Backwash Settled Density lbs/cft g/l	Reversible Swelling %	Moisture Content Approx. %
A-72MP	Strong base	Polystyrene Copolymer	Quaternary Ammonium Type I	Chloride	16-50	0.3-1.2	175/80	0-14	1.0	42-45 670-720	21	58
CH-87	Chelating	Crosslinked Polystyrene	Flouride Selective	-	16-50	0.3-1.2	140/60	7-11	-	52-54 830-860	N/A	45
CH-90	Chelating	Polystyrene Copolymer	Imminodiacetic acid	Sodium	16-50	0.3-1.2	175/80	0-14	2	45-50 720-790	35	48
CH-95	Chelating	Polystyrene Copolymer	Isothio Uronium	Chloride	16-50	0.3-1.2	175/80	0-7	150g/l as Hg	47-50 760-800	-	50

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CH-97	Chelating	Crosslinked Polystyrene	Methylene thiol	Chloride	16-50	0.3-1.2	140/60	0-14	150g/l as Hg	42-45 670-720	N/A	40
CH-99	Chelating	Crosslinked Polystyrene	Polyhydroxyamine	Chloride	16-50	0.3-1.2	175/80	7-11	0.8	43-47 700-750	N/A	46
A-62MP	Strong Base	Crosslinked Polystyrene	Quaternary Ammonium	Chloride	16-50	0.3-1.2	195/90	0-14	0.9	43-47 700-750	-	50
A-23P (Sulphite)	Strong Base	Polystyrene Copolymer	Quaternary Ammonium	Sulfite	16-50	0.3-1.2	140/60	0-14	0.8	42-44 670-710	-	65
A-354 (HC)	Strong Base	Crosslinked Polystyrene	Quaternary Ammonium	Chloride	16-50	0.3-1.2	175/80	0-14	1.6	42-44 670-710	-	42
T-54	Strong Acid	Crosslinked Polystyrene	Nuclear Sulphonic	Na	50-120	0.12-0.3	280/140	0-14	2.0	52-54 830-870	7	53

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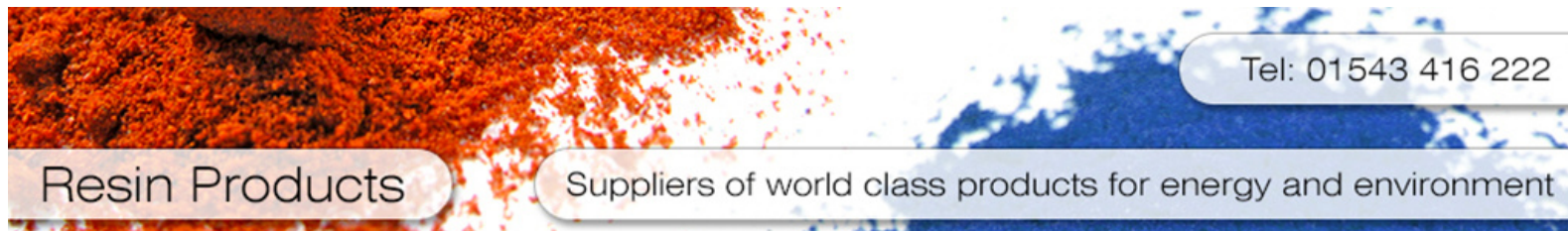
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A-30MP	Strong Base	Crosslinked Polyacrylic	Quaternary Ammonium	Chloride	16-50	0.3-1.2	140/60	0-14	0.7	43-47 700-750	-	67
A-35	Strong Base	Polystyrene Copolymer	Quaternary Ammonium Type I	Chloride	50-120	0.12-0.3	175/80	0-14	1.5	46-48 730-770	23	50
A-36 MP	Strong Base	Polystyrene Copolymer	Quaternary Ammonium Type II	Chloride	16-50	0.3-1.2	140/60	0-14	1.2	42-44 670-710	Cl <sup>-</sup> >>OH <sup>-</sup> 9	50
A-2X MP	Weak Base	Polystyrene Copolymer	Tertiary Amine	Free base	16-50	0.3-1.2	175/80	0-9	1.5	40-42 640-670	FB>>Cl <sup>-</sup> 20	47
A-10X MP	Weak Base	Polystyrene Copolymer	Polyamine	Free base	16-50	0.3-1.2	140/60	0-9	2.5	43-45 690-720	FB>>Cl <sup>-</sup> 23	52

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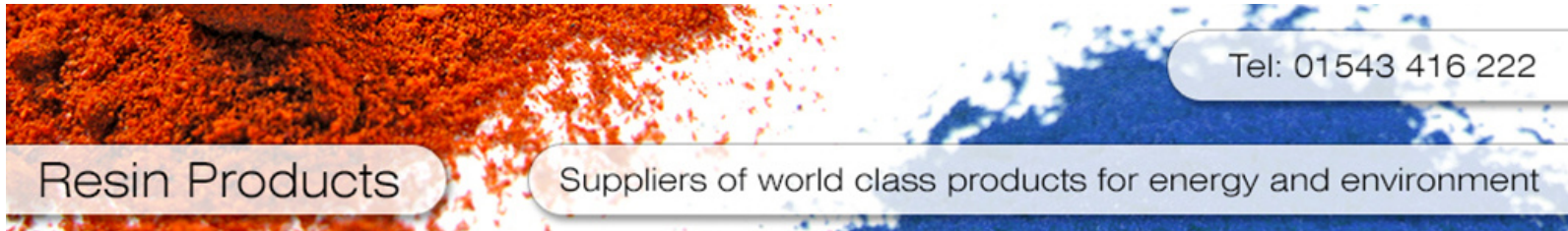
**Features and Applications**

<b>Tulsion®</b>	<b>Features</b>	<b>Applications</b>
A-72MP	Macroporous strong base Type I anion exchange resin with controlled pore size	Tanin removal from ground water. Used for colour removal from sugar syrup.
CH-87	Selective removal of fluoride from water.	Removal of fluoride from domestic drinking water.
CH-90	Special resin for selective removal of transition metals.	Brine purification in chloro-alkali industry.
CH-95	Special resin for selective removal of mercury.	Used for mercury removal from effluent in chloro-alkali industry.
CH-97	Selective removal of mercury. Regenerable resin.	Removal of mercury in chloro-alkali industry.
CH-99	Selective removal of boron.	Removal of boron from industrial water.
A-62MP	Premium grade resin for nitrate removal, food grade version for potable water treatment is also available.	Selective removal of nitrate from industrial water and domestic drinking water.
A-23P (Sulphite)	For dissolved oxygen removal.	Dissolved oxygen removal for very low conductivity water requirements.
A-354 (HC)	High capacity resin.	Perchlorate removal, one time use resin.
T-54	Fine mesh cation resin.	Used in metal recovery.
A-30MP	Acrylic resin with high organic removal capacity.	Decolourisation of aqueous solution, sugar melt. Decolourisation.

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A-35	Fine mesh strong base Type I anion exchange resin.	Process stream purification.
A-36 MP	Macroporous strong base Type II anion exchange resin having high regeneration efficiency and resistance to organic fouling.	Multiple bed deionization.
A-2X MP	Macroporous weak base anion exchange resin, excellent regeneration efficiency, resistance to organic fouling.	Deionization of high EMA waters.
A-10X MP	Macroporous acrylic weak base anion exchange resin with high organic removal efficiency.	Deacidification and deionization of high EMA, high organics water.

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