Cation Resin

Technical data sheet

Characteristics

Strong acid cation exchange resin, hydrogen form

Appearance	Golden yellow to brown beads
Matrix	Styrene divinylbenzene copolymer
Functional group	Sulphonic acid
Ionic form as supplied	Hydrogen, H+
Total exchange capacity	1.8 meq/ml, minimum
Moisture holding capacity	49 - 55 %
Shipping weight *	780 kg/m³ approximately
Particle size range	0.3 to 1.2 mm
> 1.2 mm	5.0 %, maximum
< 0.3 mm	1.0 %, maximum
Uniformity coefficient	1.7, maximum
Effective size	0.45 to 0.55 mm
Maximum operating temperature	120 °C
Operating pH range	0 to 14
Volume change	Na to H, 8 % approximately
Resistance to reducing agents	Good
Resistance to oxidizing agents	Generally good, chlorine should be absent

* Weight of resin, as supplied, occupying 1 m³ in a unit after backwashing and draining.