Anion Resin Type-I

Technical data sheet

Characteristics

Strong base anion exchange resin, Type I, chloride form

Appearance	Translucent red brown beads
Matrix	Styrene - EDMA copolymer
Functional group	Benzyl trimethyl amine
Ionic form as supplied	Chloride
Total exchange capacity	1.2 meq/ml, minimum
Moisture holding capacity	47 - 55 %
Shipping weight *	680 kg/m³ approximately
Particle size range	0.3 to 1.2 mm
> 1.2 mm	5.0 %, maximum
< 0.3 mm	0.5 %, maximum
Uniformity coefficient	1.7, maximum
Effective size	0.45 to 0.55 mm
Pieces (broken beads)	2.0 %, maximum
Volume change	Cl to OH, 10 - 15 %
Maximum operating temperature	60 °C in OH form
	90 °C in Cl and other forms
Operating pH range	0 to 14
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.