

Mixed Bed Exchange Resin

Basic Features:

Application	Demineralization - High Cation Capacity and High Flow Rates
Polymer Structure	Gel polystyrene crosslinked with divinylbenzene
Appearance	Spherical beads
Functional Group	Sulphonic Acid and Type 1 Quaternary Ammonium
Ionic form as shipped	H ⁺ / OH ⁻

Typical Physical and Chemical Characteristics:

Cation Component	Gel Strong Acid Cation	
Anion Component	Gel Strong Base Anion	
Cation / Anion Ratio	67 / 33 %	
Total Capacity (min.)	Na ⁺	2.00 eq/l
Total Capacity (min.)	Na ⁺	43.70 kGr/ft ³
Total Capacity (min.)	Cl ⁻	1.40 eq/l
Total Capacity (min.)	Cl ⁻	30.60 kGr/ft ³
Moisture Content	60 %	
Mean Size Typical	0.7 - 0.95 mm	
Uniformity Coefficient (max.)	1.60	
Shipping Weight (approx.)	735 - 770 g/l	
Shipping Weight (approx.)	45.9 - 48.1 lbs/ft ³	
Temp Limit	Non-Regenerable Bed	100 °C
Temp Limit	Non-Regenerable Bed	212 °F
Temp Limit	Regenerable Bed	60 °C
Temp Limit	Regenerable Bed	140 °F
pH Limits	0 - 14	



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