

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 <sup>+</sup> / OH <sup>-</sup>

**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 <sup>+</sup>	2.00 eq/l
Total Capacity (min.)	Na <sup>+</sup>	43.70 kGr/ft <sup>3</sup>
Total Capacity (min.)	Cl <sup>-</sup>	1.40 eq/l
Total Capacity (min.)	Cl <sup>-</sup>	30.60 kGr/ft <sup>3</sup>
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 <sup>3</sup>
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