

Mixed Bed Exchange Resin - Light Cation

**Basic Features:**

Application	Dem mineralization - High Purity Silica Free
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		40 / 60 %
Total Capacity (min.)	Na <sup>+</sup>	1.90 eq/l
Total Capacity (min.)	Na <sup>+</sup>	41.50 kGr/ft <sup>3</sup>
Total Capacity (min.)	Cl <sup>-</sup>	1.30 eq/l
Total Capacity (min.)	Cl <sup>-</sup>	28.40 kGr/ft <sup>3</sup>
Moisture Content		65 %
Mean Size Typical		0.60-0.85 mm
Uniformity Coefficient (max.)		1.70
Shipping Weight (approx.)		705-740 g/l
Shipping Weight (approx.)		44.1-46.3 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