

Gel-type Strong Acid Cationic Resin

**Basic Features:**

Application	Uniform Particle Size, Silver Impregnated (Bacteriostatic Properties) Resin
Polymer Structure	Gel polystyrene crosslinked with divinylbenzene
Appearance	Spherical beads
Functional Group	Sulphonic acid
Ionic form as shipped	Na <sup>+</sup> /Ag <sup>+</sup>

**Typical Physical and Chemical Characteristics:**

Total Capacity (min.)	Na <sup>+</sup>	1.90 eq/l
Total Capacity (min.)	Na <sup>+</sup>	41.48 kGr/ft <sup>3</sup>
Moisture Retention	Na <sup>+</sup>	46-50 %
Mean Size Typical		0.52-0.62 mm
Uniformity Coefficient (max.)		1.20
Reversible Swelling (max.)	Na <sup>+</sup> → H <sup>+</sup>	10 %
Reversible Swelling (max.)	Ca <sub>2</sub> <sup>+</sup> → Na <sup>+</sup>	8 %
Specific Gravity		1.27 g/ml
Shipping Weight (approx.)		795-830 g/l
Shipping Weight (approx.)		49.7-51.9 lbs/ft <sup>3</sup>
Temp Limit	H <sup>+</sup>	120 °C
Temp Limit	H <sup>+</sup>	250 °F
Temp Limit	Na <sup>+</sup>	140 °C
Temp Limit	Na <sup>+</sup>	285 °F
pH Limits		0-14