

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 ⁺ /Ag ⁺

Typical Physical and Chemical Characteristics:

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

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