

Gel Type Strong Acid Cation Exchange Resin - Black

Basic Features:

Application	Softening of Water
Polymer Structure	Gel polystyrene crosslinked with divinylbenzene
Appearance	Spherical beads
Functional Group	Sulphonic acid
Ionic form as shipped	Na ⁺

Typical Physical and Chemical Characteristics:

Total Capacity (min.)	Na ⁺	1.90 eq/l
Total Capacity (min.)	Na ⁺	41.50 kGr/ft ³
Moisture Retention	Na ⁺	46 - 50 %
Mean Size Typical		0.60 - 0.85 mm
Uniformity Coefficient (max.)		1.70
Reversible Swelling (max.)	Na ⁺ → H ⁺	10 %
Reversible Swelling (max.)	Ca ₂ ⁺ → Na ⁺	8 %
Specific Gravity		1.27 g/ml
Shipping Weight (approx.)		800 - 840 g/l
Shipping Weight (approx.)		50 - 52.5 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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