

Super Gel Type Strong Acid Cation Exchange Resin

Purolite SGC650Na is a specially produced, premium narrow size grading, super gel strong acid cation exchange resin. It has a high useable capacity combined with good mechanical strength and chemical stability.

**Basic Features:**

Application	Sodium Form of SGC650 for Condensate Polishing - Fast Kinetics
Polymer Structure	Gel polystyrene crosslinked with divinylbenzene
Appearance	Spherical beads
Functional Group	Sulphonic acid
Ionic form as shipped	Na <sup>+</sup>

**Typical Physical and Chemical Characteristics:**

Total Capacity (min.)	Na <sup>+</sup>	2.20 eq/l
Total Capacity (min.)	Na <sup>+</sup>	48.03 kGr/ft <sup>3</sup>
Moisture Retention	Na <sup>+</sup>	40-43 %
Mean Size Typical		0.60-0.70 mm
Uniformity Coefficient (max.)		1.20
Reversible Swelling (max.)	Na <sup>+</sup> → H <sup>+</sup>	8 %
Specific Gravity		1.30 g/ml
Shipping Weight (approx.)		800-830 g/l
Shipping Weight (approx.)		50-51.9 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

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