

Super Gel Type Strong Acid Cation Exchange Resin

This uniform grade super gel cation resin is Purolite's primary CPP gel cation resin. It incorporates both high physical strength and excellent osmotic shock resistance which makes it ideal for this application. The uniform grading ensures excellent kinetics and low pressure drop at the high velocities employed in external regenerated CPP systems and is used in both lead cation and mixed bed duties where it is employed with our SGA550 anion resin. (SGA650Na is sodium form version of this resin).

**Basic Features:**

Application	Uniform Grade Super Gel Cation for Condensate Polishing - Fast Kinetics
Polymer Structure	Gel polystyrene crosslinked with divinylbenzene
Appearance	Spherical beads
Functional Group	Sulphonic acid
Ionic form as shipped	H <sup>+</sup>

**Typical Physical and Chemical Characteristics:**

Total Capacity (min.)	H <sup>+</sup>	2 eq/l
Total Capacity (min.)	H <sup>+</sup>	43.60 kGr/ft <sup>3</sup>
Moisture Retention	H <sup>+</sup>	46-50 %
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		1.21 g/ml
Shipping Weight (approx.)		770-790 g/l
Shipping Weight (approx.)		48.1-49.4 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

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