

Gel Type Strong Acid Cation Exchange Resin

Purolite C100 LT is a light color premium bead form conventional gel polystyrene sulphonate cation exchange resin. Its high bead integrity, excellent chemical and physical stability, and very low extractibles content play a large part in its successful employment in these areas.

**Basic Features:**

Application	Light colored version of C100 for softening and demineralization applications
Polymer Structure	Gel polystyrene crosslinked with divinylbenzene
Appearance	Spherical beads - light colour
Functional Group	Sulphonic acid
Ionic form as shipped	Na <sup>+</sup>

**Typical Physical and Chemical Characteristics:**

Total Capacity (min.)	Na <sup>+</sup>	2 eq/l
Total Capacity (min.)	Na <sup>+</sup>	43.67 kGr/ft <sup>3</sup>
Moisture Retention	Na <sup>+</sup>	44-48 %
Mean Size Typical		0.60-0.85 mm
Uniformity Coefficient (max.)		1.70
Reversible Swelling (max.)	Na <sup>+</sup> → H <sup>+</sup>	8 %
Specific Gravity		1.29 g/ml
Shipping Weight (approx.)		805-845 g/l
Shipping Weight (approx.)		50.3-52.8 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