

PRODUCT DATA SHEET
**Purolite®
C100**

Polystyrenic Gel, Strong Acid Cation Resin, Sodium form

PRINCIPAL APPLICATIONS

- Softening - Industrial
- Industrial demineralization when regenerated with acids

ADVANTAGES

- High operating capacity
- Good kinetic performance
- Excellent physical and chemical stability

SYSTEMS

- Coflow regenerated systems
- Conventional counterflow systems

REGULATORY APPROVALS

- IFANCA Halal Certified
- Kosher Certified

TYPICAL PACKAGING

- 1 ft³ Sack
- 25 L Sack
- 5 ft³ Drum (Fiber)
- 1 m³ Supersack
- 42 ft³ Supersack
- Bulk Tanker (North America only)

TYPICAL PHYSICAL & CHEMICAL CHARACTERISTICS:

Polymer Structure	Gel polystyrene crosslinked with divinylbenzene
Appearance	Spherical Beads
Functional Group	Sulfonic Acid
Ionic Form	Na ⁺ form
Total Capacity (min.)	2.0 eq/L (43.7 Kgr/ft ³) (Na ⁺ form)
Moisture Retention	44 - 48 % (Na ⁺ form)
Particle Size Range	300 - 1200 µm
< 300 µm (max.)	1 %
Uniformity Coefficient (max.)	1.7
Reversible Swelling, Na ⁺ → H ⁺ (max.)	9 %
Specific Gravity	1.29
Shipping Weight (approx.)	800 - 840 g/L (50.0 - 52.5 lb/ft ³)
Temperature Limit	120 °C (248.0 °F)

Hydraulic Characteristics

