

PRODUCT DATA SHEET
**Purolite®
C100E**

Polystyrenic Gel, Strong Acid Cation Resin, Sodium form, Potable Water Grade

PRINCIPAL APPLICATIONS

- Softening - Potable Water
- Food and beverage processing
- Softening - Industrial

ADVANTAGES

- Efficient regeneration
- Good kinetic performance
- Low extractables

REGULATORY APPROVALS

- Compliant with FDA Regulation 21 CFR 173.25 for Food Treatment, Ion Exchangers
- Kosher Certified
- Certified by the WQA to NSF/ANSI-61 Standard

TYPICAL PACKAGING

- 1 ft³ Sack
- 25 L Sack
- 5 ft³ Drum (Fiber)
- 1 m³ Supersack
- 42 ft³ Supersack

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.)	1.9 eq/L (41.5 Kgr/ft ³) (Na ⁺ form)
Moisture Retention	46 - 50 % (Na ⁺ form)
Particle Size Range	300 - 1200 µm
< 300 µm (max.)	1 %
Uniformity Coefficient (max.)	1.7
Reversible Swelling, Na ⁺ → H ⁺ (max.)	10 %
Reversible Swelling, Ca ²⁺ → Na ⁺ (max.)	8 %
Specific Gravity	1.27
Shipping Weight (approx.)	800 - 840 g/L (50.0 - 52.5 lb/ft ³)
Temperature Limit	120 °C (248.0 °F)

Hydraulic Characteristics

