

## 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
- French Health Ministry Approval for Potable Water Treatment
- Kosher Certified
- Certified by the WQA to NSF/ANSI-61 Standard

### TYPICAL PACKAGING

- 1 ft<sup>3</sup> Sack
- 25 L Sack
- 5 ft<sup>3</sup> Drum (Fiber)
- 1 m<sup>3</sup> Supersack
- 42 ft<sup>3</sup> Supersack

### TYPICAL PHYSICAL & CHEMICAL CHARACTERISTICS:

Polymer Structure	Gel polystyrene crosslinked with divinylbenzene
Appearance	Spherical Beads
Functional Group	Sulfonic Acid
Ionic Form	Na <sup>+</sup> form
Total Capacity	1.9 eq/L (41.5 Kgr/ft <sup>3</sup> ) (Na <sup>+</sup> form)
Moisture Retention	46 - 50 % (Na <sup>+</sup> form)
Particle Size Range	300 - 1200 µm
< 300 µm (max.)	1 %
Uniformity Coefficient (max.)	1.7
Reversible Swelling, Na <sup>+</sup> → H <sup>+</sup> (max.)	10 %
Reversible Swelling, Ca <sup>2+</sup> → Na <sup>+</sup> (max.)	8 %
Specific Gravity	1.27
Shipping Weight (approx.)	800 - 840 g/L (50.0 - 52.5 lb/ft <sup>3</sup> )
Temperature Limit	120 °C (248.0 °F)



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