

# 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 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 <sup>+</sup> form
Total Capacity	1.9 eq/L (41.5 Kgr/ft³) (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/ft³)
Temperature Limit	120 °C (248.0 °F)



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