

## PRODUCT DATA SHEET

# Purolite® C100EDL

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

**LENNTECH**  
WATER TREATMENT SOLUTIONS

### PRINCIPAL APPLICATIONS

- Demineralization - Potable Water
- Demineralization – Food and Beverage

### ADVANTAGES

- Good separation

### SYSTEMS

- Mixed Bed
- Layered Beds

### REGULATORY APPROVALS

- Compliant with FDA Regulation 21 CFR 173.25 for Food Treatment, Ion Exchangers
- Compliant with Europe Resolution ResAP (2004)3

### 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	600 - 1250 µm
< 600 µm (max.)	2 %
Uniformity Coefficient (max.)	1.5
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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