

## PRODUCT DATA SHEET

# Purolite® C107E

Polyacrylic Macroporous, Weak Acid  
Cation Resin, Hydrogen form,  
Potable Water Grade

**LENNTECH**  
WATER TREATMENT SOLUTIONS

### PRINCIPAL APPLICATIONS

- Softening - Potable Water
- Dealkalization

### ADVANTAGES

- Excellent kinetics
- High operating capacity
- Excellent selectivity for heavy metals

### SYSTEMS

- Aqueous organic solutions

### REGULATORY APPROVALS

- Certified by the WQA to NSF/ANSI-61 Standard
- Water Regulations Advisory Scheme Approved

### 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	Macroporous polyacrylic crosslinked with divinylbenzene
Appearance	Spherical Beads
Functional Group	Carboxylic Acid
Ionic Form	H <sup>+</sup> form
Total Capacity	3.6 eq/L (78.7 Kgr/ft <sup>3</sup> ) (H <sup>+</sup> form)
Moisture Retention	53 - 58 % (H <sup>+</sup> form)
Particle Size Range	300 - 1600 µm
< 300 µm (max.)	0.5 %
Reversible Swelling, H <sup>+</sup> → Ca <sup>2+</sup> (max.)	25 %
Reversible Swelling, H <sup>+</sup> → Na <sup>+</sup> (max.)	90 %
Specific Gravity	1.17
Shipping Weight (approx.)	735 - 770 g/L (45.9 - 48.1 lb/ft <sup>3</sup> )
Temperature Limit	120 °C (248.0 °F)



**LENNTECH**

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