

PRODUCT DATA SHEET

Purolite® C107E

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



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

TYPICAL PHYSICAL & CHEMICAL CHARACTERISTICS:

Polymer Structure	Macroporous polyacrylic crosslinked with divinylbenzene
Appearance	Spherical Beads
Functional Group	Carboxylic Acid
Ionic Form	H ⁺ form
Total Capacity	3.6 eq/L (78.7 Kgr/ft³) (H ⁺ form)
Moisture Retention	53 - 58 % (H ⁺ form)
Particle Size Range	300 - 1600 µm
< 300 µm (max.)	0.5 %
Reversible Swelling, H ⁺ → Ca ²⁺ (max.)	25 %
Reversible Swelling, H ⁺ → Na ⁺ (max.)	90 %
Specific Gravity	1.17
Shipping Weight (approx.)	735 - 770 g/L (45.9 - 48.1 lb/ft³)
Temperature Limit	120 °C (248.0 °F)



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