

PRODUCT DATA SHEET

Purolite™ C107E

Polyacrylic Porous, 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	Porous crosslinked polyacrylic acid
Appearance	Spherical Beads
Functional Group	Carboxylic Acid
Ionic Form	H ⁺ form
Total Capacity (min.)	3.6 eq/L (78.7 Kgr/ft ³) (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/ft ³)
Temperature Limit	120 °C (248.0 °F)

Ecolab is a global developer, manufacturer, and supplier of Purolite™ Resins including ion exchange, catalyst adsorbent and advanced polymers that make the world cleaner and healthier.

www.puoliteresins.com



We're ready to solve your process challenges.

For further information on products and services, visit www.puoliteresins.com or complete a Contact Us form via PuoliteResins.com/contact-us or use the QR code.

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