

## 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 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	Porous crosslinked polyacrylic acid
Appearance	Spherical Beads
Functional Group	Carboxylic Acid
Ionic Form	H <sup>+</sup> form
Total Capacity (min.)	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)



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**Americas**

Puro-lite  
2201 Renaissance Blvd.  
King of Prussia, PA 19406  
T +1 800 343 1500  
T +1 610 668 9090  
F +1 800 260 1065  
americas@puro-lite.com

**EMEA**

Puro-lite Ltd.  
Unit D  
Llantrisant Business Park  
Llantrisant, Wales, UK  
CF72 8LF  
T +44 1443 229334  
F +44 1443 227073  
emea@puro-lite.com

**FSU**

Puro-lite Ltd.  
Office 6-1  
36 Lyusinovskaya Str.  
Moscow, Russia  
115093  
T +7 495 363 5056  
F +7 495 564 8121  
fsu@puro-lite.com

**Asia Pacific**

Puro-lite China Co. Ltd.  
Room 707, C Section  
Huanglong Century Plaza  
No.3 Hangda Road  
Hangzhou, Zhejiang, China 310007  
T +86 571 876 31382  
F +86 571 876 31385  
asiapacific@puro-lite.com

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