

# Purolite®

## C104E/5264

Polyacrylic Porous, Weak Acid  
Cation Resin, Hydrogen form,  
Sodium form, Potable Water Grade

### PRINCIPAL APPLICATIONS

- Softening - Potable Water

### ADVANTAGES

- Near neutral pH of treated water
- High operating capacity

### 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 <sup>+</sup> /Na <sup>+</sup>
Total Capacity	4.7 eq/L (102.7 Kgr/ft³) (H <sup>+</sup> form)
Moisture Retention	45 - 55 % (H <sup>+</sup> form)
Particle Size Range	300 - 1200 µm
< 300 µm (max.)	0.5 %
Reversible Swelling, H <sup>+</sup> → Ca <sup>2+</sup> (max.)	20 %
Reversible Swelling, H <sup>+</sup> → Ca <sup>2+</sup> (operating)	7 %
Reversible Swelling, H <sup>+</sup> → Na <sup>+</sup> (max.)	60 %
Specific Gravity	1.19
Shipping Weight (approx.)	740 - 780 g/L (46.2 - 48.8 lb/ft³)
Temperature Limit	120 °C (248.0 °F)



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