

# Purolite® C100E

## PRODUCT DATA SHEET

### Gel Strong Acid Cation Resin - Sodium Form

#### Principal Applications

- Domestic water softening
- Food and beverage processing
- Industrial softening

#### Advantages

- Efficient regeneration
- Good kinetic performance
- Low extractables

#### Typical Physical and Chemical Characteristics

Application	Softening - Domestic/Industrial/Food grade
Polymer Structure	Gel polystyrene crosslinked with DVB
Appearance	Amber, clear spherical beads
Functional Group	Sulfonic acid
Ionic Form as Shipped	Na <sup>+</sup>
Total Capacity (min.)	1.9 eq/l (41.5 Kgr/ft <sup>3</sup> ) (Na <sup>+</sup> form)
Moisture Retention	46 - 50 % (Na <sup>+</sup> form)
Particle Size Range	300 - 1200 µm
<300 µm (max.)	1 %
Uniformity Coefficient (max.)	1.7
Reversible Swelling Ca <sup>2+</sup> → Na <sup>+</sup>	8 %
Reversible Swelling, Na <sup>+</sup> → H <sup>+</sup> (max.)	10 %
Specific Gravity	1.27
Shipping Weight (approx.)	800 - 840 g/l (50 - 52.5 lb/ft3)
Temperature Limit	120°C (250°F)



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