

Purolite® C100

PRODUCT DATA SHEET

Gel Strong Acid Cation Resin - Sodium Form

Principal Applications

- Industrial softening
- Industrial demineralization when regenerated with acids

Advantages

- High operating capacity
- Good kinetic performance
- Excellent physical and chemical stability

Systems

- Coflow regenerated systems

Additional Information

- Available in H⁺ form
- Available in other particle size ranges
- Available in potable water grade
- Other grades available for counterflow regenerated systems

Typical Packaging

- 1 CF bag
- 35 CF Supersack
- 42 CF Supersack
- 5 CF drum (fiber)
- Bulk Tanker

Typical Physical and Chemical Characteristics

Application	Softening and Demineralization
Polymer Structure	Gel polystyrene crosslinked with DVB
Appearance	Amber, clear spherical beads
Functional Group	Sulfonic acid
Ionic Form as Shipped	Na ⁺
Total Capacity (min.)	2.0 eq/l (43.7 Kgr/ft ³) (Na ⁺ form)
Moisture Retention	44 - 48 % (Na ⁺ form)
Particle Size Range	300 - 1200 µm
<300 µm (max.)	1 %
Uniformity Coefficient (max.)	1.7
Reversible Swelling, Na ⁺ → H ⁺ (max.)	8 %
Specific Gravity	1.29 (Na ⁺ form)
Shipping Weight (approx.)	800 - 840 g/l (49.9 - 52.4 lb/ft ³)
Temperature Limit	120°C (250 °F)



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