

Purolite® C150

Macroporous Strong Acid Cation Resin - Sodium Form

PRODUCT DATA SHEET

Principal Applications

- Condensate Polishing
- High TDS, high temperature softening
- Industrial demineralization
- Industrial softening

Advantages

- Superior kinetic performance
- Superior osmotic shock resistance
- Superior resistance to oxidation
- Excellent physical and chemical stability
- Higher selectivity for sodium than standard resins

Systems

- Coflow regenerated systems
- Counterflow regenerated systems

Additional Information

- Available in H⁺ form
- Available in other particle size ranges
- Available in potable water grade

Typical Physical and Chemical Characteristics

Polymer Structure	Macroporous polystyrene crosslinked with divinylbenzene
Appearance	Spherical beads
Functional Group	Sulfonic Acid
Ionic Form as Shipped	Na ⁺
Total Capacity (min.)	1.8 eq/l (39.3 Kgr/ft ³) (Na ⁺ form)
Moisture Retention	48 - 53 % (Na ⁺ form)
Particle Size Range	300 - 1200 µm
<300 µm (max.)	1 %
Uniformity Coefficient (max.)	1.7
Reversible Swelling, Na ⁺ → H ⁺ (max.)	4 %
Specific Gravity	1.25
Shipping Weight (approx.)	785 - 825 g/l (49.1 - 51.6 lb/ft ³)
Temp Limit, H ⁺ Form	120°C (250°F)
Temp Limit, Na ⁺ Form	140°C (285°F)



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