

PRODUCT DATA SHEET
**Purolite®
C100H**
**Polystyrenic Gel, Strong Acid Cation
Resin, Hydrogen form**
PRINCIPAL APPLICATIONS

- Demineralization - Industrial Water

ADVANTAGES

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

SYSTEMS

- Coflow regenerated systems
- Conventional counterflow systems

TYPICAL PACKAGING

- 1 ft³ Sack
- 25 L Sack
- 5 ft³ Drum (Fiber)
- 1 m³ Supersack
- 42 ft³ Supersack

TYPICAL PHYSICAL & CHEMICAL CHARACTERISTICS:

Polymer Structure	Gel polystyrene crosslinked with divinylbenzene
Appearance	Spherical Beads
Functional Group	Sulfonic Acid
Ionic Form	H ⁺ form
Total Capacity (min.)	2.0 eq/L (43.7 Kgr/ft ³) (Na ⁺ form)
Moisture Retention	51 - 55 % (H ⁺ form)
Particle Size Range	300 - 1200 μm
< 300 μm (max.)	1 %
Uniformity Coefficient (max.)	1.7
Reversible Swelling, Na ⁺ → H ⁺ (max.)	9 %
Specific Gravity	1.2
Shipping Weight (approx.)	745 - 785 g/L (46.6 - 49.1 lb/ft ³)
Temperature Limit	120 °C (248.0 °F)

Hydraulic Characteristics
