PRODUCT DATA SHEET

Supergel™ SGC650H

Polystyrenic Gel Strong Acid Cation Resin Hydrogen form, Supergel™

PRINCIPAL APPLICATIONS

- Condensate Polishing

ADVANTAGES

- Excellent physical and chemical stability
- High breaking weight
- High linear velocity applications
- High operating capacity
- Lower pressure drop versus standard resin
- Superior osmotic shock resistance

SYSTEMS

- Condensate polishing mixed beds
- Condensate polishing lead cation

TYPICAL PACKAGING

- 1 CF Sack
- 25 L Sack
- 5 CF Drum (Fiber)
- 1 M^3 Supersack
- 42 CF Supersack

TYPICAL PHYSICAL & CHEMICAL CHARACTERISTICS:

Polymer Structure	Gel polystyrene crosslinked with divinylbenzene
Appearance	Spherical beads
Functional Group	Sulfonic Acid
Ionic Form	H^+
Total Capacity	2 eq/L (43.7 Kgr/ft³) (H^+ form)
Moisture Retention	46 - 50 % (H^+ form)
Mean Diameter	650 ± 50 µm
Uniformity Coefficient	1.1 - 1.2
Reversible Swelling, $Na^+ \rightarrow H^+$ (max.)	8 %
Specific Gravity	1.21
Shipping Weight (approx.)	770 - 790 g/L (48.1 - 49.4 lb/ft³)
Temperature Limit	120 °C (248.0 °F)

Purolite®