

## PRODUCT DATA SHEET

# Supergel™ SGC650

Polystyrenic Gel, Strong Acid Cation  
Resin, Sodium form, Supergel™

## PRINCIPAL APPLICATIONS

- Condensate Polishing
- Condensate Softening

## 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
- High Temperature

## TYPICAL PACKAGING

- 1 ft<sup>3</sup> Sack
- 25 L Sack
- 5 ft<sup>3</sup> Drum (Fiber)
- 1 m<sup>3</sup> Supersack
- 42 ft<sup>3</sup> Supersack

## TYPICAL PHYSICAL & CHEMICAL CHARACTERISTICS:

Polymer Structure	Gel polystyrene crosslinked with divinylbenzene
Appearance	Spherical Beads
Functional Group	Sulfonic Acid
Ionic Form	Na <sup>+</sup> form
Total Capacity	2.2 eq/L (48.1 Kgr/ft <sup>3</sup> ) (Na <sup>+</sup> form)
Moisture Retention	40 - 43 % (Na <sup>+</sup> form)
Mean Diameter	650 ± 50 µm
Uniformity Coefficient	1.1 - 1.2
Reversible Swelling, Na <sup>+</sup> → H <sup>+</sup> (max.)	10 %
Specific Gravity	1.3
Shipping Weight (approx.)	800 - 840 g/L (50.0 - 52.5 lb/ft <sup>3</sup> )
Temperature Limit	140 °C (284.0 °F)



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