

PRODUCT DATA SHEET

Shallow Shell™ SSTC60

Polystyrenic Gel, Strong Acid Cation
Resin, Sodium form, Shallow Shell™
Technology*

PRINCIPAL APPLICATIONS

- Softening - Industrial
- Demineralization when regenerated with acids

ADVANTAGES

- Highest regeneration efficiency
- Highly effective iron removal
- Highest salt efficiency
- Lower rinse volumes
- Excellent physical and chemical stability

SYSTEMS

- Coflow regenerated systems

REGULATORY APPROVALS

- Certified by the WQA to NSF/ANSI-61 Standard

TYPICAL PACKAGING

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

* SST® is a registered trademark of Purolite Corporation.

TYPICAL PHYSICAL & CHEMICAL CHARACTERISTICS:

Polymer Structure	Gel polystyrene crosslinked with divinylbenzene
Appearance	Spherical Beads
Functional Group	Sulfonic Acid
Ionic Form	Na ⁺ form
Dry Weight Capacity (min.)	3.8 eq/kg (Na ⁺ form)
Moisture Retention	36 - 46 % (Na ⁺ form)
Particle Size Range	300 - 1200 µm
< 300 µm (max.)	1 %
Uniformity Coefficient (max.)	1.7
Reversible Swelling, Na ⁺ → H ⁺ (max.)	6 %
Shipping Weight (approx.)	775 - 825 g/L (48.4 - 51.6 lb/ft³)
Temperature Limit	60 °C (140.0 °F)



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