

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

- SST shorter diffusion path benefits:
- Highest regeneration efficiency
- Very low leakage
- Highly resistant to iron fouling
- Lower rinse volumes
- Lower operating costs
- Excellent physical/chemical stability

SYSTEMS

- Coflow regenerated systems
- Counterflow 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 | 38 - 46 % (Na ⁺ form) |
| Particle Size Range | 300 - 1200 µm |
| < 300 µm (max.) | 1 % |
| Uniformity Coefficient (max.) | 1.7 |
| Reversible Swelling, Na ⁺ → H ⁺ (max.) | 8 % |
| Specific Gravity | 1.2 |
| Shipping Weight (approx.) | 775 - 825 g/L (48.4 - 51.6 lb/ft³) |
| Temperature Limit | 60 °C (140.0 °F) |



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