

PRODUCT DATA SHEET

Shallow Shell™ SSTC6000E

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

PRINCIPAL APPLICATIONS

- Softening - Industrial
- Softening - Potable Water
- Food and beverage processing
- 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
- Counterflow regenerated systems
- Potable water treatment

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 ⁺
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)



Americas
T +1 610 668 9090
F +1 610 668 8139
americas@purolite.com

Europe
T +44 1443 229334
F +44 1443 227073
europe@purolite.com

Asia Pacific
T +86 571 876 31382
F +86 571 876 31385
asiapacific@purolite.com