

Shallow Shell™ SSTC60

PRODUCT DATA SHEET

Gel Strong Acid Cation Resin - Sodium Form, Shallow Shell™ Technology

Principal Applications

- Industrial softening
- Industrial demineralization when regenerated with acids

Advantages

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

Additional Information

- SST® is a registered trademark of Purolite Corporation.
- Available in H⁺ form

Typical Physical and Chemical Characteristics

Application	Softening
Polymer Structure	Gel polystyrene crosslinked with divinylbenzene
Appearance	Spherical beads
Functional Group	Sulfonic Acid
Ionic Form as Shipped	Na ⁺
Total 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/ft ³)
Temperature Limit	60°C (140°F)



Americas

T +1 610.668.9090
F +1 484.384.2751
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