

Shallow Shell™ SSTC104

Polyacrylic Porous, Weak Acid
Cation Resin, Hydrogen form,
Shallow Shell™ Technology*

PRINCIPAL APPLICATIONS

- Dealkalization
- Deionization
- Softening
- Softening - Aqueous organic solutions

ADVANTAGES

- Highest regeneration efficiency
- High operating capacity
- 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	Porous crosslinked polyacrylic acid
Appearance	Spherical Beads
Functional Group	Carboxylic Acid
Ionic Form	H ⁺ form
Dry Weight Capacity (min.)	6.6 eq/kg (H ⁺ form)
Moisture Retention	34 - 44 % (H ⁺ form)
Particle Size Range	300 - 1600 µm
< 300 µm (max.)	1 %
Reversible Swelling, H ⁺ → Ca ²⁺ (max.)	20 %
Reversible Swelling, H ⁺ → Ca ²⁺ (operating)	7 %
Reversible Swelling, H ⁺ → Na ⁺ (max.)	50 %
Specific Gravity	1.17
Shipping Weight (approx.)	710 - 760 g/L (44.4 - 47.5 lb/ft³)
Temperature Limit	120 °C (248.0 °F)



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