

## PRODUCT DATA SHEET

# Shallow Shell™ SSTC8000EH

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

## PRINCIPAL APPLICATIONS

- Demineralization - Potable Water
- Demineralization – Food and Beverage

## 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
- Potable water treatment

## TYPICAL PACKAGING

- 1 ft<sup>3</sup> Sack
- 25 L Sack
- 5 ft<sup>3</sup> Drum (Fiber)
- 1 m<sup>3</sup> Supersack
- 42 ft<sup>3</sup> Supersack

## TYPICAL PHYSICAL & CHEMICAL CHARACTERISTICS:

Polymer Structure	Gel polystyrene crosslinked with divinylbenzene
Appearance	Spherical Beads
Functional Group	Sulfonic Acid
Ionic Form	H <sup>+</sup>
Dry Weight Capacity (min.)	4.0 eq/kg (H <sup>+</sup> form)
Moisture Retention	46 - 52 % (H <sup>+</sup> form)
Particle Size Range	300 - 1200 µm
< 300 µm (max.)	1 %
Uniformity Coefficient (max.)	1.7
Reversible Swelling, H <sup>+</sup> → Na <sup>+</sup> (max.)	7 %
Specific Gravity	
Shipping Weight (approx.)	
Temperature Limit	100 °C (212.0 °F)



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

**EMEA**  
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

**FSU**  
T +7 495 363 5056  
F +7 495 564 8121  
fsu@purolite.com

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

**FSU**

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