

## PRODUCT DATA SHEET

# Shallow Shell™ SSTPPC8000EH

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

## 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

- Packed Bed Systems
- Coflow regenerated systems
- Potable water treatment

## TYPICAL PACKAGING

- 1 ft³ Sack
- 25 L Sack
- 5 ft³ Drum (Fiber)
- 1 m³ Supersack
- 42 ft³ 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)
Mean Diameter	670 ± 50 µm
Uniformity Coefficient (max.)	1.25
Reversible Swelling, Na <sup>+</sup> → H <sup>+</sup> (max.)	6 %
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

The statements, technical information and recommendations contained herein are believed to be accurate as of the date hereof. Since the conditions and methods of use of the product and of the information referred to herein are beyond our control, Purolite expressly disclaims any and all liability as to any results obtained or arising from any use of the product or reliance on such information; NO WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE, WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, IS MADE CONCERNING THE GOODS DESCRIBED OR THE INFORMATION PROVIDED HEREIN. The information provided herein relates only to the specific product designated and may not be applicable when such product is used in combination with other materials or in any process. Nothing contained herein constitutes a license to practice under any patent and it should not be construed as an inducement to infringe any patent and the user is advised to take appropriate steps to be sure that any proposed use of the product will not result in patent infringement.



**Americas**

T +1 610 668 9090  
F +1 610 668 8139  
[americas@purolite.com](mailto:americas@purolite.com)

**EMEA**

T +44 1443 229334  
F +44 1443 227073  
[europa@purolite.com](mailto:europa@purolite.com)

**Asia Pacific**

T +86 571 876 31382  
F +86 571 876 31385  
[asiapacific@purolite.com](mailto:asiapacific@purolite.com)

**FSU**

T +7 495 363 5056  
F +7 495 564 8121  
[fsu@purolite.com](mailto:fsu@purolite.com)