

## PRODUCT DATA SHEET

# Purofine® PFC100E

Polystyrenic Gel, Strong Acid Cation Resin, Sodium form, Uniform Particle Size

## PRINCIPAL APPLICATIONS

- Softening - Potable Water
- Softening - Potable Water
- Food and beverage processing

## ADVANTAGES

- Efficient regeneration
- High operating capacity
- Efficient separation
- Lower pressure drop versus standard resin
- Good physical and chemical stability

## SYSTEMS

- Coflow regenerated systems
- Counterflow regenerated systems

## REGULATORY APPROVALS

- Certified by the WQA to NSF/ANSI-61 Standard
- Water Regulations Advisory Scheme Approved

## TYPICAL PACKAGING

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

## TYPICAL PHYSICAL & CHEMICAL CHARACTERISTICS:

Polymer Structure	Gel polystyrene crosslinked with divinylbenzene
Appearance	Spherical Beads
Functional Group	Sulfonic Acid
Ionic Form	Na <sup>+</sup> form
Total Capacity	1.9 eq/L (41.5 Kgr/ft <sup>3</sup> ) (Na <sup>+</sup> form)
Moisture Retention	46 - 50 % (Na <sup>+</sup> form)
Mean Diameter	570 ± 50 µm
Uniformity Coefficient	1.1 - 1.2
Reversible Swelling, Na <sup>+</sup> → H <sup>+</sup> (max.)	10 %
Reversible Swelling, Ca <sup>2+</sup> → Na <sup>+</sup> (max.)	8 %
Specific Gravity	1.27
Shipping Weight (approx.)	795 - 830 g/L (49.7 - 51.9 lb/ft <sup>3</sup> )
Temperature Limit	120 °C (248.0 °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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**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)