

## PRODUCT DATA SHEET

# Purofine® PFC100

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

**LENNTECH**  
WATER TREATMENT SOLUTIONS

## PRINCIPAL APPLICATIONS

- Softening - Industrial
- Demineralization when regenerated with acids

## ADVANTAGES

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

## SYSTEMS

- Counterflow regenerated systems
- Coflow regenerated systems

## REGULATORY APPROVALS

- IFANCA Halal Certified
- Certified by the WQA to NSF/ANSI-61 Standard

## 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	Na <sup>+</sup> form
Total Capacity	2.0 eq/L (43.7 Kgr/ft <sup>3</sup> ) (Na <sup>+</sup> form)
Moisture Retention	44 - 48 % (Na <sup>+</sup> form)
Mean Diameter	570 ± 50 µm
Uniformity Coefficient	1.1 - 1.2
Reversible Swelling, Na <sup>+</sup> → H <sup>+</sup> (max.)	8 %
Specific Gravity	1.29
Shipping Weight (approx.)	795 - 820 g/L (49.7 - 51.2 lb/ft <sup>3</sup> )
Temperature Limit	120 °C (248.0 °F)



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