

## PRODUCT DATA SHEET

# Purofine® PFA100Plus /4881

Polystyrenic Macroporous, Weak  
Base Anion Resin, Free Base form,  
Uniform Particle Size, Layered Bed  
Grade

### PRINCIPAL APPLICATIONS

- Demineralization - Industrial
- Demineralization - Layered Beds

### ADVANTAGES

- Excellent mechanical and osmotic stability
- Good separation

### SYSTEMS

- Upflow-regenerated packed bed systems

### 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

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### TYPICAL PHYSICAL & CHEMICAL CHARACTERISTICS:

Polymer Structure	Macroporous polystyrene crosslinked with divinylbenzene
Appearance	Spherical Beads
Functional Group	Tertiary Amine
Ionic Form	FB form
Total Capacity	1.3 eq/L (28.4 Kgr/ft <sup>3</sup> ) (FB form)
SBC	10 - 20 %
Moisture Retention	53 - 62 % (Cl <sup>-</sup> form)
Mean Diameter	550 ± 25 µm
Uniformity Coefficient (max.)	1.1
Reversible Swelling, FB → Cl <sup>-</sup> (max.)	20 %
Specific Gravity	1.04
Shipping Weight (approx.)	645 - 665 g/L (40.3 - 41.6 lb/ft <sup>3</sup> )
Temperature Limit	100 °C (212.0 °F) (Cl <sup>-</sup> form)
Temperature Limit	60 °C (140.0 °F) (FB form)



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