

PRODUCT DATA SHEET

Purofine[®] PFA503

Polystyrenic Macroporous, Type I
Strong Base Anion Resin, Chloride
form, Uniform Particle Size

PRINCIPAL APPLICATIONS

- Demineralization

ADVANTAGES

- High operating capacity
- Uniform particle size

REGULATORY APPROVALS

- IFANCA Halal Certified

TYPICAL PACKAGING

- 1 ft³ Sack
- 25 L Sack
- 5 ft³ Drum (Fiber)
- 1 m³ Supersack
- 42 ft³ Supersack

TYPICAL PHYSICAL & CHEMICAL CHARACTERISTICS:

Polymer Structure	Macroporous polystyrene crosslinked with divinylbenzene
Appearance	Spherical Beads
Functional Group	Type I Quaternary Ammonium
Ionic Form	Cl ⁻ form
Moisture Retention	61 - 66 % (Cl ⁻ form)
Total Capacity	1 eq/L (21.8 Kgr/ft ³) (Cl ⁻ form)
Mean Diameter	570 ± 50 µm
Uniformity Coefficient (max.)	1.2
Reversible Swelling, Cl ⁻ → OH ⁻ (max.)	20 %
Specific Gravity	1.08
Shipping Weight (approx.)	670 - 690 g/L (41.9 - 43.1 lb/ft ³)
Temperature Limit	100 °C (212.0 °F) (Cl ⁻ form)
Temperature Limit	61 °C (141.8 °F) (OH ⁻ form)



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