

PRODUCT DATA SHEET

Purolite® PFA440S

Polystyrenic Gel, Type I Strong Base
Anion Resin, Chloride form

PRINCIPAL APPLICATIONS

- Demineralization - Sugar solutions
- Sucrose Polishing Decolorization

ADVANTAGES

- Efficient regeneration

REGULATORY APPROVALS

- IFANCA Halal Certified
- LPPOM MUI Halal Certified
- Kosher 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	Gel polystyrene crosslinked with divinylbenzene
Appearance	Spherical Beads
Functional Group	Type I Quaternary Ammonium
Ionic Form	Cl ⁻ form
Total Capacity	1.3 eq/L (28.4 Kgr/ft ³) (Cl ⁻ form)
Moisture Retention	50 - 54 % (Cl ⁻ form)
Mean Diameter	570 ± 50 µm
Uniformity Coefficient (max.)	1.1 -1.2
Reversible Swelling, Cl ⁻ → OH ⁻ (max.)	25 %
Specific Gravity	1.08
Shipping Weight (approx.)	670 - 700 g/L (41.9 - 43.8 lb/ft ³)
Temperature Limit	100 °C (212.0 °F) (Cl ⁻ form)
Temperature Limit	60 °C (140.0 °F) (OH ⁻ form)



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