

PRODUCT DATA SHEET

Purolite® A500TISO4Plus

Polystyrenic Macroporous, Type I
Strong Base Anion Resin, Sulfate
form, Trilite Mixed Bed System

PRINCIPAL APPLICATIONS

- Demineralization
- Condensate Polishing

ADVANTAGES

- High resistance to osmotic and mechanical stress
- Superior resistance to organic fouling
- Excellent resistance to osmotic and thermal shock

SYSTEMS

- Trilite Systems

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	SO ₄ ²⁻
Total Capacity	1.15 eq/L (25.1 Kgr/ft ³) (Cl ⁻ form)
Moisture Retention	57 - 63 % (Cl ⁻ form)
Particle Size Range	425 - 850 µm
< 425 µm (max.)	1 %
Uniformity Coefficient (max.)	1.35
Reversible Swelling, Cl ⁻ → OH ⁻ (max.)	20 %
Specific Gravity	1.09
Shipping Weight (approx.)	665 - 695 g/L (41.6 - 43.4 lb/ft ³)
Temperature Limit	100 °C (212.0 °F) (Cl ⁻ form)
Temperature Limit	65 °C (149.0 °F) (OH ⁻ form)



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