

## PRODUCT DATA SHEET

# Purolite® A500TLSO4Plus

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 <sub>4</sub> <sup>2-</sup>
Total Capacity (min.)	1.1 eq/L (24.0 Kgr/ft³) (Cl⁻ form)
Moisture Retention	54 - 65 % (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/ft³)
Temperature Limit	100 °C (212.0 °F) (Cl⁻ form)
Temperature Limit	65 °C (149.0 °F) (OH⁻ form)

Purolite, an Ecolab company, is a leading manufacturer of quality ion exchange, catalyst, adsorbent and specialty high-performance resins with global sales support.



We're ready to solve your process challenges.

For further information on Purolite products and services, visit [www.purolite.com](http://www.purolite.com) or contact us at the addresses below.

**Americas**  
[americas@purolite.com](mailto:americas@purolite.com)

**Asia Pacific**  
[asiapacific@purolite.com](mailto:asiapacific@purolite.com)

**EMEA**  
[emea@purolite.com](mailto:emea@purolite.com)

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