

# Purolite® A500Plus

Polystyrenic Macroporous Type I  
Strong Base Anion Resin Chloride  
form

## PRINCIPAL APPLICATIONS

- Demineralization
- Silica Removal
- Acid Retardation

## ADVANTAGES

- High operating capacity

## 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

## TYPICAL PHYSICAL & CHEMICAL CHARACTERISTICS:

Polymer Structure	Macroporous polystyrene crosslinked with divinylbenzene
Appearance	Spherical Beads
Functional Group	Type I Quaternary Ammonium
Ionic Form	Cl <sup>-</sup> form
Total Capacity	1.15 eq/L (25.1 Kgr/ft <sup>3</sup> ) (Cl <sup>-</sup> form)
Moisture Retention	57 - 63 % (Cl <sup>-</sup> form)
Particle Size Range	300 - 1200 µm
< 300 µm (max.)	1 %
Uniformity Coefficient (max.)	1.7
Reversible Swelling, Cl <sup>-</sup> → OH <sup>-</sup> (max.)	20 %
Specific Gravity	1.08
Shipping Weight (approx.)	670 - 700 g/L (41.9 - 43.8 lb/ft <sup>3</sup> )
Temperature Limit	100 °C (212.0 °F) (Cl <sup>-</sup> form)
Temperature Limit	65 °C (149.0 °F) (OH <sup>-</sup> form)



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