

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 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
Total Capacity	1.15 eq/L (25.1 Kgr/ft ³) (Cl ⁻ form)
Moisture Retention	57 - 63 % (Cl ⁻ form)
Particle Size Range	300 - 1200 µm
< 300 µm (max.)	1 %
Uniformity Coefficient (max.)	1.7
Reversible Swelling, Cl ⁻ → OH ⁻ (max.)	20 %
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	65 °C (149.0 °F) (OH ⁻ form)



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