

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:

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|---|--|
| 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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