

Purolite® A500Plus

PRODUCT DATA SHEET

Macroporous Type I Strong Base Anion Exchange Resin

Purolite A500Plus is a premium quality strongly basic Type I, macroporous anion exchange resin with an isoporous structure that contributes to its high capacity. It will provide for optimum performance in deionization and as an organic trap.

Typical Physical and Chemical Characteristics

Application	Demineralization - Good Silica Removal
Polymer Structure	Macroporous polystyrene crosslinked with divinylbenzene
Appearance	Spherical beads
Functional Group	Type I Quaternary Ammonium
Ionic Form as Shipped	Cl ⁻
Total Capacity (min.)	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 (41.8 - 43.8 lb/ft ³)
Temp Limit, Cl ⁻ Form	100°C (212°F)
Temp Limit, OH ⁻ Form	65°C (150°F)



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