

Macroporous Type I Strong Base Anion Exchange Resin

PUROLITE A500 C is a premium quality strongly basic Type I, macroporous anion exchange resin with an isoporous structure that contributes to its high capacity. PUROLITE A500 C will provide for optimum performance in deionization and as an organic trap. The 'C' grade sizing of this resin allows it to be used in high flow applications.

Basic Features:

Application	Demineralization - Mixed Bed
Polymer Structure	Macroporous polystyrene crosslinked with divinylbenzene
Appearance	Spherical beads
Functional Group	Type 1 Quaternary Ammonium
Ionic form as shipped	Cl ⁻

Typical Physical and Chemical Characteristics:

Total Capacity (min.)	Cl ⁻	1.15 eq/l
Total Capacity (min.)	Cl ⁻	25.11 kGr/ft ³
Moisture Retention	Cl ⁻	53-58 %
Mean Size Typical		0.65-0.90 mm
Uniformity Coefficient (max.)		1.70
Reversible Swelling (max.)	Cl ⁻ → OH ⁻	15 %
Specific Gravity		1.08 g/ml
Shipping Weight (approx.)		670-700 g/l
Temp Limit	OH ⁻	65 °C
Temp Limit	OH ⁻	150 °F
Temp Limit	Cl ⁻	100 °C
Temp Limit	Cl ⁻	212 °F
pH Limits		0-14 (Stability)
pH Limits	H ⁺	0-11 (Operating)

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