

Macroporous Type I Strong Base Anion Exchange Resin

PUROLITE A500 is a premium quality strongly basic Type I, macroporous anion exchange resin with an isoporous structure that contributes to its high capacity. PUROLITE A500 will provide for optimum performance in deionization and as an organic trap.

**Basic Features:**

Application	Condensate Treatment - Good Silica Removal
Polymer Structure	Macroporous polystyrene crosslinked with divinylbenzene
Appearance	Spherical beads
Functional Group	Type 1 Quaternary Ammonium
Ionic form as shipped	Cl <sup>-</sup>

**Typical Physical and Chemical Characteristics:**

Total Capacity (min.)	Cl <sup>-</sup>	1.15 eq/l
Total Capacity (min.)	Cl <sup>-</sup>	25.11 kGr/ft <sup>3</sup>
Moisture Retention	Cl <sup>-</sup>	53-58 %
Mean Size Typical		0.60-0.85 mm
Uniformity Coefficient (max.)		1.70
Reversible Swelling (max.)	Cl <sup>-</sup> → OH <sup>-</sup>	15 %
Specific Gravity		1.08 g/ml
Shipping Weight (approx.)		670-700 g/l
Temp Limit	OH <sup>-</sup>	65 °C
Temp Limit	OH <sup>-</sup>	150 °F
Temp Limit	Cl <sup>-</sup>	100 °C
Temp Limit	Cl <sup>-</sup>	212 °F
pH Limits		0-14 (Stability)
pH Limits	H <sup>+</sup>	0-11 (Operating)

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