

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)

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