

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:

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| 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 ⁻ |

Typical Physical and Chemical Characteristics:

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|-------------------------------|-----------------------------------|---------------------------|
| 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 | | 0.60-0.85 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) |