

Macroporous Type I Strong Base Anion Exchange Resin

Puopack A500 is a specially produced, premium narrow size grading, macroporous type-I strong base anion exchange resin. Its macroporous structure offers excellent resistance to osmotic and physical shock, as well as a good reversible sorptive capacity for complex organic materials, such as the fulvic and humic acids which occur in many surface water supplies. It is one of a range of Puopack products manufactured for use in modern day water treatment applications. Puopack A500 is especially recommended for use in all counterflow demineralization systems, including the Puopack system. It has a specially tailored size grading which provides for economical regeneration by counterflow techniques. Puopack is a maximum performance packed bed system which provides a combination of superior engineering principles and improved resins that together optimize water treatment plant performance. For more information please refer to the Puopack Manual or your local Purolite Sales Office.

**Basic Features:**

Application	Demineralization - Narrow Size Grading
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		0.60-0.70 mm
Uniformity Coefficient (max.)		1.20
Reversible Swelling (max.)	Cl <sup>-</sup> → OH <sup>-</sup>	15 %
Specific Gravity		1.08 g/ml
Shipping Weight (approx.)		670-690 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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pH Limits                      H<sup>+</sup>                      0-11 (Operating)

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