

Puopack® PPA500Plus

Macroporous Type I Strong Base Anion Exchange Resin

PRODUCT DATA SHEET

Puopack PPA500Plus is a specially produced, premium narrow size grading, macroporous type-I strong base anion exchange resin, ideal for use in packed beds. 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 using packed beds. **Puopack PPA500Plus** is especially recommended for use in all counterflow demineralization systems, including the **Puopack** packed bed 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.

Typical Physical and Chemical Characteristics

Application	Demineralization - Uniformly Sized Packed Bed Grading
Polymer Structure	Macroporous polystyrene crosslinked with divinylbenzene
Appearance	Spherical beads
Functional Group	Type I Quaternary Ammonium
Ionic Form as Shipped	Cl ⁻
Total Capacity (min.)	1.15 eq/l (25.1 Kgr/ft ³) (Cl ⁻ form)
Moisture Retention	57 - 63 % (Cl ⁻ form)
Mean Size Typical	750 ± 100 µm
Uniformity Coefficient (max.)	1.2-1.4
Reversible Swelling, Cl ⁻ → OH ⁻ (max.)	20 %
Specific Gravity	1.08
Shipping Weight (approx.)	670 - 700 g/l (41.8 - 43.8 lb/ft ³)
Temp Limit, Cl ⁻ Form	100°C (212°F)
Temp Limit, OH ⁻ Form	65°C (150°F)



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