

Puopack® PPA100Plus

Macroporous Weak Base Anion Exchange Resin

PRODUCT DATA SHEET

Puopack PPA100Plus is a specially produced, premium narrow size grading, macroporous weak base anion exchange resin. Because of its structure, it has excellent mechanical and osmotic stability, and is able to remove naturally occurring organic materials typically found in influent water, thus protecting a following strong-base resin from fouling. It is one of a range of **Puopack** products manufactured for use in modern day water treatment applications. **Puopack PPA100Plus** is especially recommended for use in all counterflow demineralisation 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.

Typical Physical and Chemical Characteristics

Application	Demineralization - Packed Bed Grading
Polymer Structure	Macroporous Polystyrene Crosslinked with Divinylbenzene
Appearance	Spherical beads
Functional Group	Tertiary Amine
Ionic Form as Shipped	Free Base
Total Capacity (min.)	1.3 eq/l (28.4 Kgr/ft ³) (Free Base form)
SBC	10 - 20 %
Moisture Retention	53 - 62 % (Cl ⁻ form)
Mean Diameter	750 ± 100 µm
Uniformity Coefficient (max.)	1.2 - 1.4
Reversible Swelling, FB → Cl ⁻ (max.)	25 %
Specific Gravity	1.04
Shipping Weight (approx.)	650 - 680 g/l (40.6 - 42.5 lb/ft ³)
Temp Limit, Cl ⁻ Form	100°C (212°F)
Temp Limit, Free Base Form	60°C (140°F)



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