

Puopack® PPC104Plus

Porous Weak Acid Cation Exchange Resin

PRODUCT DATA SHEET

Puopack PPC104Plus is a specially produced, premium narrow size grading, weak acid cation exchange resin. The functional groups of the carboxylic type give high chemical efficiency in many applications, especially for the removal of bicarbonate alkalinity in water treatment, showing excellent uptake of alkaline earth metals provided that sufficient contact time for exchange is allowed. It is one of a range of Puopack products manufactured for use in modern day water treatment applications.

Puopack PPC104Plus 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.

Typical Physical and Chemical Characteristics

Application	Dealkalization, Deionization, Softening of Water & Aqueous Organic Solutions - High Capacity - Uniform Particle Size - Packed Bed Grading
Polymer Structure	Porous crosslinked polyacrylic
Appearance	Spherical beads
Functional Group	Carboxylic Acid
Ionic Form as Shipped	H ⁺
Total Capacity (min.)	4.5 eq/l (98.3 Kgr/ft ³ (H ⁺ form))
Moisture Retention	45 - 55 % (H ⁺ form)
Mean Diameter	750 ± 100 µm
Uniformity Coefficient (max.)	1.2 - 1.4
Reversible Swelling, H ⁺ → Ca ²⁺ (max.)	20 %
Reversible Swelling, H ⁺ → Ca ²⁺ (operating)	7 % (approx.)
Reversible Swelling, H ⁺ → Na ⁺ (max.)	70 %
Specific Gravity	1.19
Shipping Weight (approx.)	740 - 780 g/l (46.3 - 48.8 lb/ft ³)
Temperature Limit	120°C (250°F)



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