

Gel Type Strong Acid Cation Exchange Resin

Puopack PPC100H is a specially produced, premium narrow size grading, gel strong acid cation exchange resin, supplied in the hydrogen form. It is one of a range of Puopack products manufactured for use in modern day water treatment applications. Puopack PPC100H is especially recommended for use in all counterflow demineralization systems, including the Puopack system. It is produced using Purolite's proprietary direct manufacturing process (DMP) and which results in a highly uniform and tailored product which provides for economical regeneration by counterflow techniques.

**Basic Features:**

Application	Hydrogen form of PPC100, narrow grade cation
Polymer Structure	Gel polystyrene crosslinked with divinylbenzene
Appearance	Spherical beads
Functional Group	Sulphonic acid
Ionic form as shipped	H <sup>+</sup>

**Typical Physical and Chemical Characteristics:**

Total Capacity (min.)	Na <sup>+</sup>	2 eq/l
Total Capacity (min.)	Na <sup>+</sup>	43.67 kGr/ft <sup>3</sup>
Moisture Retention	H <sup>+</sup>	51-55 %
Mean Size Typical		0.60-0.70 mm
Uniformity Coefficient (max.)		1.20
Reversible Swelling (max.)	Na <sup>+</sup> → H <sup>+</sup>	8 %
Specific Gravity		1.20 g/ml
Shipping Weight (approx.)		755-785 g/l
Shipping Weight (approx.)		47.2-49.1 lbs/ft <sup>3</sup>
Temp Limit	H <sup>+</sup>	120 °C
Temp Limit	H <sup>+</sup>	250 °F
Temp Limit	Na <sup>+</sup>	140 °C
Temp Limit	Na <sup>+</sup>	285 °F
pH Limits		0-14

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