

Gel Type Strong Acid Cation Exchange Resin

Puopack PPC100 is a specially produced, premium narrow size grading, gel strong acid cation exchange resin. It is one of a range of Puopack products manufactured for use in modern day water treatment applications. Puopack PPC100 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. 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. The product is also available in the hydrogen form as Puopack PPC100H.

Basic Features:

Application	Narrow graded version of C100 offering high capacity and low regenerant consumption
Polymer Structure	Gel polystyrene crosslinked with divinylbenzene
Appearance	Spherical beads
Functional Group	Sulphonic acid
Ionic form as shipped	Na ⁺

Typical Physical and Chemical Characteristics:

Total Capacity (min.)	Na ⁺	2 eq/l
Total Capacity (min.)	Na ⁺	43.67 kGr/ft ³
Moisture Retention	Na ⁺	44-48 %
Mean Size Typical		0.60-0.70 mm
Uniformity Coefficient (max.)		1.20
Reversible Swelling (max.)	Na ⁺ → H ⁺	8 %
Specific Gravity		1.29 g/ml
Shipping Weight (approx.)		805-830 g/l
Shipping Weight (approx.)		50.3-51.9 lbs/ft ³
Temp Limit	H ⁺	120 °C
Temp Limit	H ⁺	250 °F
Temp Limit	Na ⁺	140 °C
Temp Limit	Na ⁺	285 °F
pH Limits		0-14