

Gel Type I Strong Base Anion Exchange Resin

Puopack PPA400 is a specially produced, premium narrow size grading, gel type-I strong base anion exchange resin. It is one of a range of Puopack products manufactured for use in modern day water treatment applications. Puopack PPA400 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.

Basic Features:

Application	Regeneration Efficient Demineralization - Narrow Size Grading
Polymer Structure	Gel polystyrene crosslinked with divinylbenzene
Appearance	Spherical beads
Functional Group	Type 1 Quaternary Ammonium
Ionic form as shipped	Cl ⁻

Typical Physical and Chemical Characteristics:

Total Capacity (min.)	Cl ⁻	1.30 eq/l
Total Capacity (min.)	Cl ⁻	28.38 kGr/ft ³
Moisture Retention	Cl ⁻	48-54 %
Mean Size Typical		0.60-0.70 mm
Uniformity Coefficient (max.)		1.20
Reversible Swelling (max.)	Cl ⁻ → OH ⁻	20 %
Specific Gravity		1.08 g/ml
Shipping Weight (approx.)		680-710 g/l
Shipping Weight (approx.)		42.5-44.4 lbs/ft ³
Temp Limit	OH ⁻	60 °C
Temp Limit	OH ⁻	140 °F
Temp Limit	Cl ⁻	100 °C
Temp Limit	Cl ⁻	140 °F
pH Limits		0-14 (Stability)
pH Limits	OH ⁻	1-10 (Operating)

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