

Gel Type I Strong Base Anion Exchange Resin

Puopack PPA600 is a gel-type I strong base anion exchange resin which because of its regeneration efficiency has particularly high operating capacity at lower regeneration levels. It is also relatively less susceptible to organic fouling than are standard gel-type strong base anion resins. Consequently higher purity treated water (or other solution) can generally be obtained. These useful advantages are obtained by way of the narrow particle size distribution. Puopack PPA600 is specifically designed for the Puopack packed bed, counter-flow demineralization system. 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 ⁻	1.40 eq/l
Total Capacity (min.)	Cl ⁻	30.57 kGr/ft ³
Moisture Retention	Cl ⁻	43-48 %
Mean Size Typical		0.60-0.70 mm
Uniformity Coefficient (max.)		1.20
Irreversible Swelling (max.)		42.50 %
Reversible Swelling (max.)	Cl ⁻ → OH ⁻	20 %
Specific Gravity		1.09 g/ml
Shipping Weight (approx.)		685-720 g/l
Shipping Weight (approx.)		42.8-45 lbs/ft ³
Temp Limit	OH ⁻	60 °C
Temp Limit	OH ⁻	140 °F
Temp Limit	Cl ⁻	100 °C
Temp Limit	Cl ⁻	212 °F

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pH Limits		0-14 (Stability)
pH Limits	OH ⁻	1-10 (Operating)

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