

# Puopack® PPA400

Gel Type I Strong Base Anion Exchange Resin

## PRODUCT DATA SHEET

**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.

### Typical Physical and Chemical Characteristics

Application	Regeneration Efficient Demineralization - Packed Bed Systems
Polymer Structure	Gel polystyrene crosslinked with divinylbenzene
Appearance	Spherical beads
Functional Group	Type I Quaternary Ammonium
Ionic Form as Shipped	Cl <sup>-</sup>
Total Capacity (min.)	1.3 eq/l (28.4 Kgr/ft <sup>3</sup> ) (Cl <sup>-</sup> form)
Moisture Retention, Cl <sup>-</sup> Form	48 - 54 %
Mean Diameter	650 ± 50 µm
Uniformity Coefficient (max.)	1.1 - 1.2
Reversible Swelling, Cl <sup>-</sup> → OH <sup>-</sup> (max.)	20 %
Specific Gravity	1.08
Shipping Weight (approx.)	680 - 710 g/l (42.5 - 44.4 lb/ft <sup>3</sup> )
Temp Limit, Cl <sup>-</sup> Form	100°C (212°F)
Temp Limit, OH <sup>-</sup> Form	60°C (140°F)



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