

Gel Type II Strong Base Anion Exchange Resin

Puopack PPA200 is a specially produced, premium narrow size grading, gel type-II strong base anion exchange resin. Puopack PPA200 has a high operating capacity, especially on high-FMA feedwaters. It is one of a range of Puopack products manufactured for use in modern day water treatment applications. Puopack PPA200 is especially recommended for use in all counterflow demineralisation 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. Operational data such as backwash and pressure drop data as well as operating capacity and leakages for the use of Puopack resins in a Puopack plant are given in the following graphs. The use of the Puredesign calculation program is the most convenient and accurate means to calculate plant performances.

Basic Features:

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|-----------------------|---|
| Application | Regeneration Efficient Demineralization - Narrow Size Grading |
| Polymer Structure | Gel polystyrene crosslinked with divinylbenzene |
| Appearance | Spherical beads |
| Functional Group | Type 2 Quaternary Ammonium |
| Ionic form as shipped | Cl ⁻ |

Typical Physical and Chemical Characteristics:

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|-------------------------------|-----------------------------------|-------------------------------|
| Total Capacity (min.) | Cl ⁻ | 1.30 eq/l |
| Total Capacity (min.) | Cl ⁻ | 28.38 kGr/ft ³ |
| Moisture Retention | Cl ⁻ | 45-51 % |
| Mean Size Typical | | 0.60-0.70 mm |
| Uniformity Coefficient (max.) | | 1.20 |
| Reversible Swelling (max.) | Cl ⁻ → OH ⁻ | 15 % |
| 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 ⁻ | 35 °C |
| Temp Limit | OH ⁻ | 104 °F |
| Temp Limit | Cl ⁻ | 85 °C |

| | | |
|------------|-----------------|------------------|
| Temp Limit | Cl ⁻ | 185 °F |
| pH Limits | | 0-14 (Stability) |
| pH Limits | OH ⁻ | 1-10 (Operating) |

LENNTECH

info@lennotech.com

www.lennotech.com

Tel. +31-15-261.09.00

Fax. +31-15-261.62.89
