

Gel Type Weak Base Anion Exchange Resin

Puopack A847 is a specially produced, premium narrow size grading, gel type acrylic weak base anion exchange resin. The acrylic matrix ensures excellent removal of organic matter from water supplies in conjunction with its reversible removal upon regeneration, thus protecting a following strong-base resin from fouling. Its use in combination with a polystyrene based resin can often result in the removal of a wider spectrum of organic compounds than either type of anion resin alone. Following regeneration return to service is very efficient because of lower than average rinse requirement. The weak base functionality results in high capacity and high regeneration efficiency. Puopack A847 has excellent chemical and thermal stability, resistance to attrition and osmotic shock. It is one of a range of Puopack products manufactured for use in modern day water treatment applications. Puopack A847 is especially recommended for use in all counterflow demineralization systems, including the Puopack system. It has a specially tailored size grading 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	Water Treatment - Low Rinse Volumes and High Purity - Narrow Size Grading
Polymer Structure	Gel Polyacrylic crosslinked with Divinylbenzene
Appearance	Spherical beads
Functional Group	Tertiary Amine
Ionic form as shipped	Free Base

Typical Physical and Chemical Characteristics:

Total Capacity (min.)	Free Base	1.60 eq/l
Total Capacity (min.)	Free Base	34.93 kGr/ft ³
Moisture Retention	Free Base	56-62 %
Mean Size Typical		0.60-0.70 mm
Uniformity Coefficient (max.)		1.20
Irreversible Swelling (max.)		5
Reversible Swelling (max.)	FB → Cl ⁻	25 %
Specific Gravity		1.08 g/ml
Shipping Weight (approx.)		675-705 g/l
Shipping Weight (approx.)		42.4-44.1 lbs/ft ³
Temp Limit	FB	40 °C

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Temp Limit	FB	104 °F
Temp Limit	Cl ⁻	100 °C
Temp Limit	Cl ⁻	212 °F
pH Limits		0-14 (Stability)
pH Limits	H ⁺	0-9 (Operating)

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