

Gel Mixed Base Anion Exchange Resin

Puopack A870 is a specially produced, premium narrow size grading, acrylic gel mixed base anion exchange resin. The acrylic matrix ensures excellent removal of organic matter from a water supply and its reversible elution from the resin upon regeneration. The resin combines the advantages of extremely high operating capacity with the ability to remove both strong and weak acids from solution, including carbon dioxide and silica. It is one of a range of Puopack products manufactured for use in modern day water treatment applications. Puopack A870 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	Regeneration Efficient Demineralization - Narrow Size Grading
Polymer Structure	Gel Polyacrylic crosslinked with divinylbenzene
Appearance	Spherical beads
Functional Group	Quaternary and Tertiary Ammonium
Ionic form as shipped	

Typical Physical and Chemical Characteristics:

Total Capacity (min.)	Cl ⁻	1.25 eq/l
Total Capacity (min.)	Cl ⁻	27.29 kGr/ft ³
Moisture Retention	Cl ⁻	56-62 %
Mean Size Typical		0.60-0.70 mm
Uniformity Coefficient (max.)		1.20
Irreversible Swelling (max.)		10 %
Reversible Swelling (max.)	Cl ⁻ → OH ⁻	-10 %
Specific Gravity		1.08 g/ml
Shipping Weight (approx.)		680-730 g/l
Shipping Weight (approx.)		42.5-45.6 lbs/ft ³
Temp Limit	OH ⁻	40 °C
Temp Limit	OH ⁻	104 °F
Temp Limit	Cl ⁻	80 °C

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Temp Limit	Cl ⁻	175 °F
pH Limits		0-14 (Stability)
pH Limits	OH ⁻	1-10 (Operating)

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