PUROLITE
ION EXCHANGE RESINS

LENNTECH
info@lenntech.com
www.lenntech.com
Tel. +31-15-261.09.00
Fax. +31-15-261.62.89

Product Data Sheet

PUROLITE® PPA100

Weak Base Anion Macroporous

Macroporous Weak Base Anion Exchange Resin

Puropack A100 is a specially produced, premium narrow size grading, macroporous weak base anion exchange resin. Because of its structure, it has excellent mechanical and osmotic stability, and is able to remove naturally occurring organic materials typically found in influent water, thus protecting a following strong-base resin from fouling. It is one of a range of Puropack products manufactured for use in modern day water treatment applications. Puropack A100 is especially recommended for use in all counterflow demineralisation systems, including the Puropack system. It has a specially tailored size grading which provides for economical regeneration by counterflow techniques. Puropack 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 Puropack Manual or your local Purolite Sales Office.

Basic Features:

Application	Demineralization - Narrow Size Grading
Polymer Structure	Macroporous polystyrene 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	1.30 eq/l
Total Capacity (min.)	Free Base	28.38 kGr/ft^3
Moisture Retention	Cl^-	53-60 %
SBC		10-20 %
Mean Size Typical		0.60-0.70 mm
Uniformity Coefficient (max.)		1.20
Reversible Swelling (max.)	FB → Cl^-	20 %
Specific Gravity		1.04 g/ml
Shipping Weight (approx.)		645-675 g/l
Shipping Weight (approx.)		40.9-42.8 lbs/ft^3
Temp Limit	OH^-	60 °C
Temp Limit	OH^-	140 °F
Temp Limit	Cl^-	100 °C

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Temp Limit	Cl^-	212 °F
pH Limits		0-14 (Stability)
pH Limits	H^+	0-9 (Operating)

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