Demin Resin

PPW-MB115

Technical Data Sheet

DESCRIPTION

PPW-MB115 is a mixed bed ion exchange resin. It is a mixture of highly purified and super regenerated strong acid cation and strong base anion resins in 40: 60 volume ratio.

APPLICATIONS

PPW-MB115 is recommended in any non regenerable mixed bed application wher reliable production of the highest quality water is required and where “as supplied” resin must have an absolute minimum of ionic and nonionic contamination.

SPECIFICATIONS

Physical	
Appearance	Spherical beads
Shipping weight*	700 - 740 kg/m³
Particle size range > 1.2 mm < 0.3 mm	0.3 to 1.2 mm 5.0% maximum 1.0% maximum
Uniformity co-efficient	1.7 maximum
Effective size	0.45 to 0.65 mm
Microscopic examination	Surface cracks not more than 5%

Chemical	Cation Resin	Anion Resin
Matrix	Crosslinked polystyrene	Crosslinked polystyrene
Type	Gel	Gel
Functional group	Sulphonic acid	Quaternary ammonium
Total exchange capacity	1.9 meq/ml	1.0 meg/ml
Ionic conversion	99% minimum in H form	90% minimum in OH form
Moisture holding capacity	49-55%	60% maximum
Thermal stability	Up to 120°C	Up to 60°C
Chemical stability	Stable in pH range 0-14. Resistant to oxidizing and reducing agents.	

*Weight of resin, as supplied, occupying 1 m³ in a unit after backwashing and draining.

PACKING

HDPE Lined bags (Double Bag Packing): 25/50 lts

LDPE Valve Type bags / Nylon Vacuum Bags: 1 cft/25 lts

HDPE carboy with liner bags: 25/50 lts

HDPE drums with liner bags: 180 lts

STORAGE

Ion exchange resins require proper care at all times. Resins must never be allowed to become dry. Resins should therefore be always kept in the shade. This PPW-MB115 resin is supplied in highly regenerated condition, any exposure to atmospheric air must be avoided as this will convert it to the carbonate form. The resin packing should not be opened during storage.

SAFETY

Acid and alkali solutions used for regeneration are corrosive and should be handled in a manner that will prevent eye and skin contact. If any oxidising agents are used, necessary safety precautions should be observed to avoid accidents and damage to the resin.

This Ion Exchange resin is produced in a state-of-the-art ISO 9001 and ISO 14001 certified manufacturing facilities in Ankleshwar, in the state of Gujarat in India.

For more information call: 01507 608100 or email: enquiries@pozzani.co.uk
Pozzani Pure Water Ltd, Warwick Road, Fairfield Industrial Estate, LOUTH, Lincolnshire, LN11 0YB
www.pozzani.co.uk