

INDION® FFIP MB

Description

INDION FFIP MB is a strongly basic Type 1 anion exchange resin containing quaternary amine groups. It is specially suited for mixed bed applications. A correctly designed and operated mixed bed unit using INDION FFIP MB and INDION 225 H will produce

treated water conductivity of 0.5 microsiemens/cm designed or less. The silica content of the treated water from a mixed bed unit depends upon the level and temperature of the regenerant used. Silica residuals to 20 parts per billion and lower are easily achieved.

Characteristics

Appearance	:	Translucent red brown beads
Matrix	:	Styrene - EDMA copolymer
Functional Group	:	Benzyl trimethyl amine
Ionic form as supplied	:	Chloride
Total exchange capacity	:	1.2 meq/ml, minimum
Moisture holding capacity	:	47 - 55%
Shipping weight *	:	680 kg/m ³ , approximately
Particle size range	:	0.3 to 1.2 mm
> 1.2 mm	:	5.0%, maximum
< 0.3 mm	:	0.5 %, maximum
Uniformity co-efficient	:	1.7, maximum
Effective size	:	0.45 to 0.55 mm
Pieces (Broken beads)	:	2.0%, maximum
Volume change	:	Cl to OH, 10 - 15 %
Maximum operating temperature	:	60° C in OH form
	:	90° C in Cl and other forms
Operating pH range	:	0 to 14
Resistance to reducing agents	:	Good
Resistance to oxidizing agents	:	Generally good, chlorine should be absent

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

Packing

HDPE Lined bags	25/ 50 lts	LDPE bags	1 cft / 25 lts
Super sack	1000 lts	Super sack	35 cft
MS drums	180 lts	Fiber drums	7 cft
with liner bags		with liner bags	

Storage

INDION FFIP MB resin beads must never be allowed to become dry. Regularly open the plastic bags and check the condition of the resin when in storage. If not moist,

add enough clean demineralised water and keep it in completely moist condition. Always store keep the resin in the shade. Recommended storage temperature is between 20° C and 40° C.

Safety

Acid and alkali solutions used for regeneration are corrosive and should be handled in a manner that 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.

INDION range of Ion Exchange resins are produced in a state of the art ISO 9001 and ISO 14001 certified manufacturing facilities at Ankleshwar, in the state of Gujarat in India. This product data sheet (issue 09/2008) replaces previous issues.

To the best of our knowledge the information contained in this publication is accurate. Ion Exchange (India) Ltd. maintains a policy of continuous development and reserves the right to amend the information given herein without notice.

INDION is the registered trademark



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