

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*	660 - 710 kg/m ³
Particle size range	0.3 to 1 mm
> 1 mm	5%, maximum
< 0.3 mm	0.5%, maximum
Uniformity co-efficient	1.5, 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 m ³ 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

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 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.

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.

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 of Ion Exchange (India) Ltd.



ION EXCHANGE (INDIA) LTD.

Corporate Office

Ion House, Dr. E. Moses Road, Mahalaxmi,
Mumbai - 400011 | Tel: +91 22 6231 2000
E-mail: ieil@ionexchange.co.in

International Division

R-14, T.T.C MIDC, Thane - Belapur Road, Rabale,
Navi Mumbai - 400 701 | Tel: +91 22 6857 2400
E-mail: export.sales@ionexchange.co.in

Regional and Branch Offices

Bengaluru | Bhubaneswar | Chandigarh | Chennai
Delhi | Hyderabad | Kolkata | Lucknow | Vadodara
Vashi | Visakhapatnam

Overseas Offices

Bangladesh | Canada | Indonesia | Kenya
Malaysia | Oman | Portugal | Saudi Arabia | Singapore
South Africa | Sri Lanka | Tanzania | Thailand | UAE | USA

Manufacturing Units

India - Ankleshwar | Hosur | Patancheru | Rabale | Verna | Wada

Overseas - Bangladesh | Indonesia | Saudi Arabia | UAE

All India Service and Dealer Network

www.ionexchangeglobal.com | www.ionresins.com

