

# INDION® RS-F

## Resin Selective for Fluoride

### Description

INDION RS-F is an ion exchange resin designed to selectively remove fluoride from potable water and industrial wastewater\*. INDION RS-F performs well, even in the presence of common anions such as

chlorides, and sulfates. INDION RS-F can treat potable water having fluorides up to 10 ppm maximum. For optimum performance, the influent water should have characteristics TDS as <1200 ppm for groundwater treatment. Organics – Nil, Total Suspended solid < 5 ppm. Heavy metals < 0.5 ppm.

Characteristics	
Appearance	Opaque off-white beads
Matrix	Macroporous
Moisture holding capacity	50-60%
Shipping weight*	690 - 750 kg/m <sup>3</sup>
Particle size range	0.3 to 1.2 mm
> 1.2 mm	5.0%, maximum
< 0.3 mm	1.0%, maximum
Uniformity co-efficient	1.7, maximum
Effective size	0.45 to 0.60 mm
Operating parameters	
Maximum operating temperature	45° C
Operating pH range	6.5 to 8
Fluoride adsorption capacity	0.8-1 g/l
Recommended contact time	4.5-5 minutes
Specific service flow rate	10 -13 BV/h
Minimum bed depth	0.7-1m
*For designing of industrial waste water treatment, please contact on below address.	
**Weight of resin, as supplied, occupying 1m3 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	:	35/40/42 cft
MS/HDPE drums with liner bags	:	180/200 lts
Fiber drums with liner bags	:	7 cft

## Storage

Ion Exchange resins require proper care at all times. The resins 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 keep the resin drum in the shade. Recommended storage temperature is between 20° C - 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 oxidizing 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](http://www.ionexchangeglobal.com) | [www.ionresins.com](http://www.ionresins.com)

