

# INDION® RS-F

## Resin Selective for Fluoride

### Description

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

INDION RS-F can treat potable water having fluorides upto 20 ppm maximum. For optimum performance the influent water should have turbidity 1-2 NTU, organics - nil, TDS < 1500 ppm, total alkalinity < 500 ppm as CaCO<sub>3</sub>, Iron and heavy metals < 0.5 ppm.

### Characteristics

Appearance	:	Opaque off white beads
Matrix	:	Macroporous
Moisture holding capacity	:	50 - 60 %
Shipping weight *	:	720 kg/m <sup>3</sup> , approximately
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 0.55 mm

### Operating parameters

Maximum operating temperature	:	60° C
Operating pH range	:	5.5 to 8.5
Fluoride adsorption capacity	:	1 - 2 g/l
Recommended contact time	:	5 minutes
Specific service flow rate	:	10 -15 BV/h
Minimum bed depth	:	0.4 m

\* Weight of resin, as supplied, occupying 1 m<sup>3</sup> 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		Fiber drums	
with liner bags	180 lts	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.

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