

# INDION® FS 80

## Description

INDION FS 80 is a strongly basic anion exchange resin. It has a crosslinked polystyrene matrix and a quaternary ammonium functionality. INDION FS 80

has unique functional groups on its matrix which helps it to be used for oxygen scavenging applications. This ion exchanger is supplied in fully hydrated condition.

### Characteristics

Appearance	:	Moist translucent , Dark brown to Black Coloured spherical beads
Ionic Form as supplied	:	Sulphite (SO <sub>3</sub> ) form
Chemical Nature	:	Strongly basic with Quaternary Ammonium functional groups
Matrix	:	Isoporous structure
Exchange capacity	:	0.8 meq/ml (minimum) of wet resin, SO <sub>3</sub> form Exchange sites in SO <sub>3</sub> form minimum 80% Exchange sites in Cl form maximum 5%
Particle size range	:	0.3 to 1.2 mm
Effective size	:	0.4 to 0.5 mm
Uniformity co-efficient	:	1.8 maximum
Fines content passing through 300 micron sieve (no.30 IS)	:	0.5% v/v maximum
Moisture content	:	47 - 55% w/w

## 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

Ion exchange resins require proper care at all times. The resins must never be allowed to become dry. The

resin should therefore be always kept in the shade. Since IONION FS 80 is supplied in Sulphite form, which has a tendency to absorb Oxygen, exposure to atmospheric air must be avoided, as this will convert it to the Sulphate form. The resin should therefore be kept in tightly closed condition.

## Safety precautions

If any oxidizing agents are used, necessary safety precautions should be observed to avoid accidents and damaged to the resin.

IONION 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.

**IONION** is the registered trademark



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