

# INDION® 810 OH

## UPW Grade Strong Base Anion Resin

### Description

Indion 810 OH is a macroporous strongly basic Type 1 anion exchange resin and has quaternary ammonium functional groups.

Use of good quality raw materials and cleaning

process carried out during manufacture, make this resin suitable for using in single column or in mixed beds, to produce ultra pure water.

In mixed beds, Indion 810 OH can be used alongwith Indion 790 H for this application.

### Characteristics

Appearance	:	Off white to brown opaque beads
Matrix	:	Styrene divinyl benzene copolymer
Functional group	:	Benzyl trimethyl amine
Ionic form as supplied	:	OH <sup>-</sup>
Total exchange capacity	:	0.9 meq/ml, minimum (OH form)
Moisture holding capacity	:	63 - 75 %
Shipping weight *	:	650 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%, maximum
Uniformity co-efficient	:	1.7, maximum
Effective size	:	0.45 to 0.55 mm
Maximum operating temperature	:	60° C in OH form 90° C in Cl form
Operating pH range	:	0 to 14
Volume change	:	Cl to OH, 15 - 20 %
Resistance to reducing agents	:	Good
Resistance to oxidising agents	:	Generally good, chlorine should be absent

\* 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 in 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 state-of-the-art ISO 9001 and ISO 14001 certified manufacturing facility at Ankleshwar, Gujarat.

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.

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