

# INDION® BF 100

## Bio-diesel Purification

### Description

Indion BF 100 is a moist ion exchange resin specially synthesized to remove free fatty acid present as an impurity (0.5 to 1.0%) from Biodiesel.

Indion BF 100 is used to purify the Biodiesel after phase separation and demethylation stages.

Biodiesel treated through BF 100 will have FFA content less than the specified limits of ASTM or EU specifications for B 100.

Each litre of Indion BF 100 will be able to purify 50 - 100 bed volumes of Biodiesel approximately. The quantity of Biodiesel that can be treated for removal of FFA depends on its concentration in Biodiesel.

Characteristics	
Appearance	Off white to brown opaque beads
Matrix	Styrene divinyl benzene copolymer
Functional Group	Benzyl trimethyl amine
Solubility	Insoluble in water and in common solvents
Shipping weight*	640 to 700 kg/m <sup>3</sup>
Specifications	
Particle size distribution	0.3 to 1.2mm
Moisture content (in Cl form)	56 - 63%
Total exchange capacity	0.9 meq /ml, minimum

## Benefits

Indion BF 100 is used mainly for removal of FFA from Biodiesel. After exhaustion, the resin can be regenerated and reused repeatedly. It has fairly good life when used only for FFA removal.

## 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

Indion BF 100 is supplied in highly regenerated condition. Any exposure to atmospheric air must be avoided as this will convert it to carbonate form. Therefore Indion BF 100 must always be kept in shade in tightly closed condition.

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**<sup>®</sup> is the registered trademark of Ion Exchange (India) Ltd.



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### Overseas Offices

Bangladesh | Canada | Indonesia | Kenya  
Malaysia | Oman | Portugal | Saudi Arabia | Singapore  
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### Manufacturing Units

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

Overseas - Bangladesh | Indonesia | Saudi Arabia | UAE

All India Service and Dealer Network

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