

INDION[®] MB 6 SR (Refill Pack)

Description

INDION MB-6 SR (Refill Pack) is a pack of a mixed bed ion exchange resins. It is a mixture of super regenerated strongly acidic cation exchange resin (INDION 223) in H form and strongly basic type I anion exchange resin (INDION GS 300) in OH form supplied in a volume ratio of 1:2.

Applications

INDION MB-6 SR (Refill Pack) is used to produce mixed bed quality water.

Characteristics

Physical

| | | |
|----------------------------|---|---------------------------------------|
| Physical form | : | Spherical beads |
| Shipping weight * | : | 710 kg/m ³ , approximately |
| Particle size distribution | : | 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 |

Chemical

Cation resin

Anion resin

| | | |
|---------------------------|------------------------------|-------------------------------|
| Matrix | Crosslinked polystyrene | Crosslinked polystyrene |
| Type | Gel | Gel |
| Functional group | Sulphonic acid | Benzyl trimethylammonium |
| Total exchange capacity | 1.9 meq/ml | 1.0 meq/ml |
| Ionic conversion | 99 %, minimum H ⁺ | 90 %, minimum OH ⁻ |
| Moisture holding capacity | 47 - 55 % | 60 - 70 % |

* Weight of resin, as supplied, occupying 1 m³ in a unit after backwashing and draining.

Packing

| | |
|--------------------------------|--------------------------|
| PVC Jars with inner liner bags | 5 / 6 lts |
| LDPE lined bags | 0.5 cft / 1 cft / 25 lts |
| HDPE lined bags | 25 / 50 lts |
| HDPE drums | 50 / 100 / 180 lts |

Storage

Ion exchange resins require proper care at all times. The resins must never be allowed to become dry. The drums should therefore be always kept in shade. Since

INDION MB 6 SR is supplied in highly regenerated condition, any exposure to atmospheric air must be avoided as this will convert it to the carbonate form. The resin drums should therefore be kept in tightly closed condition.

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 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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