

INDION® CAM 28

Description

INDION Indion CAM 28 is a mixed ion exchange resin. It is a mixture of macroporous weak base anion exchange resin and colour indicating strong cation exchange resin in a 1:1 volume ratio.

Applications

INDION CAM 28 is recommended in any non regenerable mixed bed application where removal of silica and carbonic acid is not required. INDION CAM 28 ensures reliable production of high quality water and where "as supplied" resin must have an absolute minimum of ionic and nonionic contamination. A colour indicator allows the visualisation of the exhaustion point of the resin.

Characteristics

Physical

Appearance	:	Spherical beads
Shipping weight *	:	710 kg/m ³ , 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	:	1.8, maximum
Effective size	:	0.45 to 0.60 mm
Microscopic Examination	:	Surface cracks not more than 5%

Chemical

Cation resin

Anion resin

Matrix	Crosslinked polystyrene	Crosslinked polystyrene
Type	Gel	Macroporous
Functional Group	Sulphonic acid	Tertiary amine
Total exchange capacity	1.6 meq/ml	1.5 meq/ml
Ionic conversion	99% minimum in H form	80% minimum in free base form
Moisture holding capacity	47 - 53 %	60 %, maximum
Thermal stability	Up to 120° C	Up to 60° C
Colour indicator	Green(regenerated form) Violet (exhausted form)	None

Chemical stability : Stable in pH range 0 - 14
Resistant to oxidizing and reducing agents

* 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 CAM 28 is supplied in highly regenerated condition, any exposure to atmospheric air must be avoided.

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. 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.

INDION is the registered trademark



CORPORATE OFFICE

Tiecicon House, Dr. E. Moses Road, Mahalaxmi, Mumbai 400 011
Tel: 022-3989 0909 Fax: 022-2493 8737
E-mail: ieil@ionexchange.co.in ; hocro@ionexchange.co.in

INTERNATIONAL DIVISION

R-14, T.T.C MIDC, Thane-Belapur Road, Rabale, Navi Mumbai 400 705
Tel: 022-3989 0909/3047 2400 Fax: 022-2769 7918
E-mail: rabcrointl@ionexchange.co.in; export.sales@ionexchange.co.in

REGIONAL OFFICES

- **Chennai** - Tel: 044-3910 2900/ 3989 0909 Fax: 044-2815 3361
E-mail: checro@ionexchange.co.in
- **Delhi** - Tel: 011-3989 0909/3054 3200 Fax: 011-2577 4837
E-mail: delcro@ionexchange.co.in
- **Kolkata** - Tel: 033-3989 0909/3043 3400 Fax: 033-2400 4345
E-mail: calcro@ionexchange.co.in
- **Vashi** - Tel: 022-3989 0909/3913 2300 Fax: 022-2788 9839
E-mail: mumcro@ionexchange.co.in

BRANCH OFFICES

- **Bangalore** - Tel:-080-3251 6205, Cell:09341247700
E-mail: bngcro@ionexchange.co.in
- **Chandigarh** - Tel: 0172-274 5011 Fax: 0172-274 4594
E-mail: delcro@ionexchange.co.in
- **Hyderabad** - Tel: 040-3066 3101/02/03 Fax: 040-3066 3104
E-mail: hydcro@ionexchange.co.in
- **Lucknow** - Tel: 0522-301 3401/02 Fax: 0522- 301 3401
E-mail: luk.general@ionexchange.co.in
- **Pune** - Tel: 020-3062 6160 Fax: 020-2714 6109
E-mail: pun.general@ionexchange.co.in
- **Vadodara** - Tel: 0265-239 6506/6507 Fax: 0265-239 8508
E-mail: brdcro@ionexchange.co.in
- **Vizag** - Tel: 0891-324 6253
E-mail: sales.vizag@ionexchange.co.in

FACTORIES

• Ankleshwar • Hosur • Patancheru • Rabale • Verna

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