



Anion Exchange Resin A 130

Description:

ASHAION® A 130 is a strong base Type 1 anion exchange resin, containing quaternary ammonium groups. It is based on crosslinked polystyrene and has a gel structure with high mechanical strength.

Application:

ASHAION® A 130 is effective in removing weak acids like carbonic and silicic acid along with strong acids. It is recommended for use in two-stage/multiple stage or mixed bed deionising units for producing high quality demineralised water with lowest possible residual silica. Being a high strength gel resin, it is recommended for use in condensate polishing. It is also recommended for specialty non-water applications such as caprolactum purification.

Characteristics:

Appearance	Translucent pale yellow beads
Matrix	Styrene -EDMA copolymer
Functional Group	Benzyl trimethyl amine
Ionic form as supplied	Chloride
Total exchange capacity	1.3 meq/ml, minimum
Moisture holding capacity	48 - 58%
Shipping weight *	640 - 700 kg/m ³
Bead strength	300 g/bead, average
Particle size range	0.3 to 1.2 mm
> 1.2 mm	5.0 %, maximum
< 0.3 mm	1.0 %, maximum
Uniformity co-efficient	1.7, maximum
Effective size	0.45 to 0.60 mm
Maximum operating temperature	60 C in OH form, 80 C in Cl form
Volume Change	Cl to OH, 25 - 30%, approximately
Operating pH range	0 to 14
Resistance to reducing agents	Good
Resistance to oxidizing agents	Generally good, chlorine should be absent
Osmotic Stability	Excellent



ASHAION®

MADE IN INDIA

Anion Exchange Resin **A 130**

Packing:

HDPE Lined bags : 25/50 Its

LDPE bags : 1 cft/25 Its

Super sack : 1000 Its

Super sack : 35/40/42 cft

MS/HDPE drums with liner bags : 180/200 Its

Fiber drums with liner bags : 7 cft

Storage:

Ion exchange resins require consistent care to maintain their effectiveness. It is essential to prevent the resin from drying out.

During storage, regularly inspect the resin by opening the plastic bags and checking its condition. If the resin appears dry, add sufficient clean demineralized water to keep it fully moist at all times.

Safety:

Acid and alkali solutions used for regeneration are corrosive and must be handled carefully to prevent contact with the eyes and skin. When using any oxidizing agents, appropriate safety precautions should be taken to prevent accidents and protect the resin from potential damage.

The **ASHAION®** range of ion exchange resins is manufactured at state-of-the-art, ISO 9001 and ISO 14001 certified facilities located in Maharashtra, India. To the best of our knowledge, the information provided in this publication is accurate. Asha Resins Limited follows a policy of continuous improvement and reserves the right to modify the information provided herein without prior notice.

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