



MADE IN INDIA

Anion Exchange Resin A 210

Description:

ASHAION® A-210 is a macroporous, strongly basic Type I anion exchange resin in bead form, based on a crosslinked polystyrene matrix with quaternary ammonium functional groups. Developed through a specialized manufacturing process, it offers an optimized porous structure and enhanced kinetics, resulting in higher operating exchange capacity and superior site utilization compared to conventional macroporous resins.

Application:

ASHAION® A-210 also demonstrates excellent resistance to organic fouling and maintains its performance across multiple regeneration cycles. With exceptional physical and chemical stability, it minimizes fines generation and ensures extended service life.

This resin is ideally suited for raw water treatment in applications with high organic loads, as well as for use in demineralization systems and mixed bed units where color and organic removal are critical.

Characteristics:

Appearance	Off white to brown opaque beads
Matrix	Styrene divinyl benzene copolymer
Functional Group	Benzyl trimethyl amine
Ionic form as supplied	Chloride
Total exchange capacity	1.0 meq/ml, minimum
Moisture holding capacity	56 - 63 %
Shipping weight *	640 - 700 kg/m3
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





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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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