ASHA Resins Ltd

ASHAION®

MADE IN INDIA

Cation Exchange Resin C 220 Na

Description:

ASHAION® C 220 Na is a high-capacity, strongly acidic cation exchange resin in bead form, derived from crosslinked polystyrene with a gel structure. It contains sulfonic acid functional groups and is supplied in a moist condition in the sodium form. Designed for efficient hardness removal, it offers enhanced operating capacity and long service life, making it suitable for industrial and commercial water softening applications.

Application:

ASHAION® C 220 Na is widely used in the sodium form for water softening applications. It can also be utilized in two-stage deionization systems as the cation exchanger in the hydrogen cycle after appropriate regeneration.

Characteristics:

Appearance	Translucent golden yellow beads
Matrix	Styrene divinylbenzene copolymer
Functional Group	Sulphonic Acid
Ionic form as supplied	Sodium (Na^+)
Total exchange capacity	1.8 meq/ml, minimum
Moisture holding capacity	50- 55%
Shipping weight *	790-810
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 0.55 mm
Maximum operating temperature	140^0 C
Volume Change	Na to H, 6 - 9%
Operating pH range	0 to 14
Resistance to reducing agents	Good
Resistance to oxidizing agents	Generally good, chlorine should be absent
Osmotic Stability	Excellent

ASHA Resins Ltd

ASHAION®

MADE IN INDIA

Cation Exchange Resin C 220 Na

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.