ASHA Resins Ltd

ASHAION®

MADE IN INDIA

Cation Exchange Resin C 200 Na

Description:

***ASHAION*® C 200 Na** is a cost-effective, strongly acidic cation exchange resin in the sodium form, derived from crosslinked polystyrene with a gel structure. Designed primarily for standard water softening applications, it provides reliable hardness removal in both residential and industrial systems. Supplied in a moist condition, this resin offers dependable performance at an economical price point, making it ideal for routine softening needs.

Application:

***ASHAION*®** C 200 Na is engineered for economical, reliable water softening in both residential and light-industrial systems. Its gel-type resin beads deliver efficient hardness removal with minimal pressure drop, ensuring smooth flow through softener vessels. Ideal for inline softening, pre-treatment to reverse-osmosis units, and boiler-feed water softeners, it regenerates easily with common salt (NaCl), simplifying maintenance and reducing operating costs.

Characteristics:

Appearance	Translucent golden yellow beads
Matrix	Styrene divinylbenzene copolymer
Functional Group	Sulphonic Acid
Ionic form as supplied	Sodium (Na^+)
Total exchange capacity	1.6 meq/ml, minimum
Moisture holding capacity	46 – 52%
Shipping weight *	750-780
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	120^0 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

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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.