



# Cation Exchange Resin C 250 H

## Description:

**ASHAION® C 250 H** is a strongly acidic cation exchange resin containing sulfonic acid functional groups. It is specifically designed for use in mixed bed applications, offering high purity performance and efficient regeneration in condensate polishing and demineralization systems.

## Application:

**ASHAION® C 250 H** is ideal for use in mixed bed deionization units, particularly in power plants, laboratories, and electronics manufacturing where high-purity water is essential. It is also suitable for condensate polishing and polishing stages in multi-stage demineralization systems, offering excellent performance when paired with a suitable anion resin.

## Characteristics:

Appearance	Translucent golden yellow beads
Matrix	Styrene divinylbenzene copolymer
Functional Group	Sulphonic Acid
Ionic form as supplied	Hydrogen
Total exchange capacity	1.8 meq/ml, minimum
Moisture holding capacity	49-55%
Shipping weight *	760 - 800 kg/m <sup>3</sup>
Bead strength	300 g/bead, average
Particle size range	0.3 to 1.2 mm
> 1.2 mm	5.0 %, maximum
< 0.42 mm	2.0 %, maximum
Uniformity co-efficient	1.5, maximum
Effective size	0.45 to 0.60 mm
Maximum operating temperature	120° C
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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