



# Cation Exchange Resin C 276 H

## Description:

**ASHAION®** C 276 H is a weak acid, unfunctional cation exchange resin containing carboxylic acid groups. It is based on cross-linked polyacrylic acid and is supplied as moist white beads in hydrogen form.

## Application:

**ASHAION®** C 276 H is recommended for the reduction of alkalinity in boiler feed water. It is also widely used in the treatment of water for many industrial processes.

## Characteristics:

Appearance	Opaque white to pale yellow beads
Matrix	Gel polyacrylic copolymer
Functional Group	Carboxylic acid
Ionic form as supplied	Hydrogen
Total exchange capacity	4.0 meq/ml, minimum
Moisture holding capacity	46 - 54 %
Shipping weight *	730 - 770 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
< 0.3 mm	2.0 %, maximum
Uniformity co-efficient	1.7, maximum
Effective size	0.40 to 0.55 mm
Maximum operating temperature	120° C
Volume Change	H to Na, 80-120 %
Operating pH range	0 to 14
Resistance to reducing agents	Good
Resistance to oxidizing agents	Generally good, chlorine should be absent
Osmotic Stability	Excellent



## Cation Exchange Resin C 276 H

### 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.

**ASHAION®** is a registered trademark of Asha Resins Limited.