

MAGNA SX-C70-H

WEAK ACID CATION

ACRYLIC MACROPOROUS
HYDROGEN FORM

ResinTech SX-C70-H is a weak acid cation resin supplied in the hydrogen form. It is intended for use in the sugar industry for sucrose decationization. SX-C70-H has a hyper-reticulated polymer structure and extensive macroporous area that allows efficient and fast exchange kinetics. This avoids the formation of HMF*. SX-C70-H has a very high mechanical/osmotic resistance that ensures a long service life.

APPLICATIONS

- Sucrose decationization

TYPICAL PROPERTIES & PHYSICAL CHARACTERISTICS

Polymer Matrix	Acrylic Macroporous
Ionic Form	Hydrogen
Functional Group	Carboxylic Acid
Physical Form	Spherical Beads
Particle Size, US Mesh (microns)	16 to 50 (297 - 1190 μm)
Percent less than 50 mesh (300μm)	< 1
Minimum Sphericity	93%
Uniformity Coefficient	1.7
Reversible Swelling, (H to Na)	50 to 60%
Temperature Limit	212°F (100°C)
Capacity (meq/mL)	>4.0
Moisture Retention, H form (%)	50 to 55%
Shipping Weight, lbs/cu.ft. (g/L)	47 - 49 (753 - 785)
Color	White to Cream
Regenerable	Yes

* Hydroxymethylfurfural (HMF), is an organic compound formed by the dehydration of reducing sugars.

PACKAGING OPTIONS

- 500 ml samples
- 1 ft³ bags
- 1 ft³ boxes
- 1 ft³ drums
- 7 ft³ drums
- 42 ft³ supersacks

Revision 1.3
ResinTech, Inc.®

