

# SX-A40-A

## Strong base type 1 anion resin, styrene/DVB macroporous, chloride form

ResinTech SX-A40-A is a strong base anion resin intended for use in the sugar industry for decoloration and organic removal. It is supplied in the chloride form. The media's aliphatic elastic polymer structure allows for fast removal and desorption of medium to low molecular size color forming hydrophilic molecules present in highly concentrated sugar syrups. The SX-A40-A has been designed to operate under high chemical and mechanical stress conditions such high colored sugar syrups (< 500 ICUMSA) and 65° Bx.



### FEATURES & BENEFITS

- High capacity for organics
- Excellent regeneration efficiency.
- Superior physical stability.
- Controlled particle size
- Us fda compliant

### APPLICATIONS

- Sugar Decolorization
- Sugar De-ashing
- Tannin



Kosher Certified

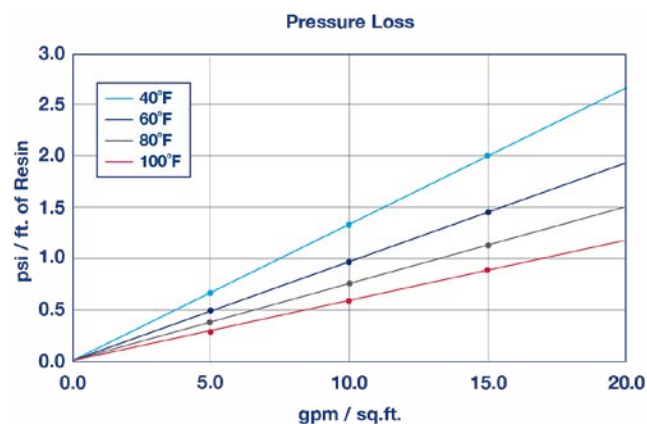
Halal Certified

Conforms to §21CFR173.25 of the USFDA Food Additives Regulations

SX-A40-A

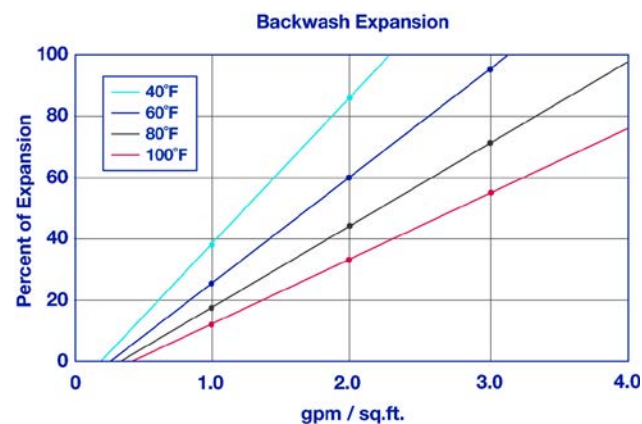
Polymer Matrix	Styrene/DVB	Minimum Sphericity (%)	90
Polymer Type	Macroporous	Reversible Swelling	15 to 20% (Cl → OH)
Ionic Form (as shipped)	Chloride (Cl <sup>-</sup> )	Uniformity	Gaussian
Functional Group	Quaternary Amine	Uniformity Coefficient	1.70
Physical Form	Spherical Beads	Capacity (meq/mL)	1.20
Particle Size US Mesh (µm)	16 (1190) to 50 (297)	Moisture Retention (%)	60 to 65
< 50 mesh (300 µm) %	< 1	Shipping Weight	42 - 44 lbs/cu.ft. (673 - 705 g/L)
		Color	White to Cream

**PRESSURE LOSS**



The graph above shows the expected pressure loss of ResinTech SX-A40-A per foot of bed depth as a function of flow rate at various temperatures.

**BACKWASH EXPANSION**



The graph above shows the expansion characteristics of ResinTech SX-A40-A as a function of flow rate at various temperatures.

**SUGGESTED OPERATING CONDITIONS**

Maximum Temperature	185°F (85°C)	Flow Rate	
Maximum Pressure Loss	20 psi (138 kPa)	Working Service	Depends on fluid viscosity.
Backwash Expansion (%)	25 - 50		Contact ResinTech

**REGENERATION DETAILS**

Salt Cycle (NaCl)	2% - 10%	Displacement Volume	10-15 gals/cu.ft. (1-2 BV)
Displacement Flow Rate	Same as dilution water		



**PACKAGING****Standard**

42 cu.ft. Supersack | 7 cu.ft. Drum  
1 cu.ft. Bag | 5 cu.ft. Drum

**Metric**

25L Bag | 140L Drum

Minimum Order Volume: 210 (cu.ft.)

**SAFETY DATA SHEETS (SDS)**

Safety Data Sheets (SDS) are available for all products on the ResinTech website. They contain important health and safety information that may be needed to protect your employees and customers from any known health and safety hazards associated with our products. We recommend that you secure and study the pertinent MSDS for our products and any other products being used.

These suggestions and data are based on information we believe to be reliable. They are offered in good faith. However we do not make any guarantee or warranty. We caution against using these products in an unsafe manner or in violation of any patents; further we assume no liability for the consequences of any such actions.

Safety Data Sheets (SDS) are available at [resintech.com](https://www.resintech.com)

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