

SX-A45-CL

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

ResinTech SX-A45-CL is a chloride form type 1 macroporous strong base anion resin. It is optimized for waters that punish other anion resins. It is intended for the sugar industry, specifically sucrose acid neutralization. SX-A45-CL has been designed to operate under high chemical and mechanical stress conditions such as high colored high colored sugar syrups (< 500 ICUMSA) and 65° Bx.



FEATURES & BENEFITS

- Macroporous structure
- Organic fouling resistance
- Superior physical stability
- Complies with us fda regulations

APPLICATIONS

- Demineralization / DI



Kosher Certified

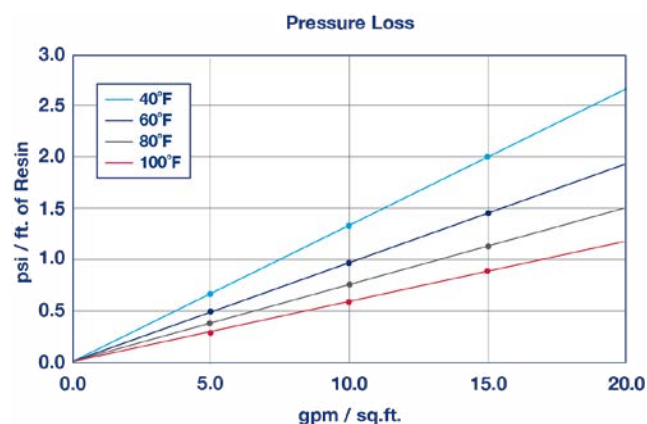
Halal Certified

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

SX-A45-CL

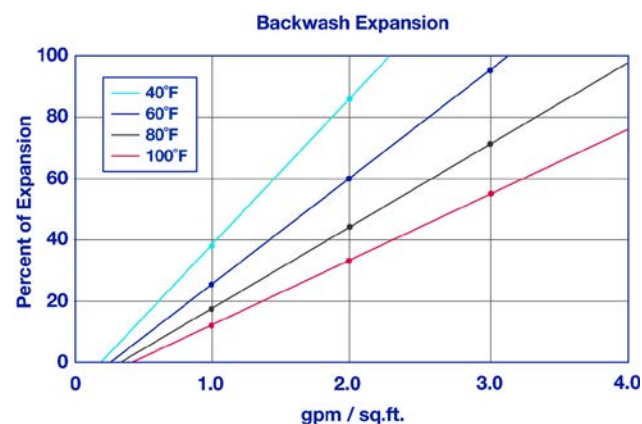
Polymer Matrix	Styrene/DVB	Reversible Swelling	15 to 20% (Cl → OH)
Polymer Type	Macroporous	Uniformity	Gaussian
Ionic Form (as shipped)	Chloride (Cl ⁻)	Uniformity Coefficient	1.60
Functional Group	Trimethylamine	Capacity (meq/mL)	1.60
Physical Form	Spherical Beads	Moisture Retention (%)	53 to 59
Particle Size US Mesh (µm)	16 (1190) to 50 (297)	Shipping Weight	41 - 43 lbs/cu.ft. (657 - 689 g/L)
< 50 mesh (300 µm) %	< 1	Color	Tan to Brown
Minimum Sphericity (%)	95	Regenerable	Regenerable

PRESSURE LOSS



The graph above shows the expected pressure loss of ResinTech SX-A45-CL 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-A45-CL as a function of flow rate at various temperatures.

SUGGESTED OPERATING CONDITIONS

Maximum Temperature	170°F (77°C)	Flow Rate	
Maximum Pressure Loss	20 psi (138 kPa)	Working Service	Depends on fluid viscosity, Contact ResinTech
Backwash Expansion (%)	25 - 50		

RADWASTE

ResinTech **SBMP1** is ideally suited for radwaste applications requiring the removal of radioactive anions, especially when the feed is significantly radioactive. The high crosslinking content of SBMP1 gives it improved resistance to chemical damage caused by ionizing radiation. Structural integrity is maintained up to approximately 1 x 10⁹ rads exposure.

DEMINEALIZATION

See ResinTech **SBMP1-OH**.



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

