PRODUCT SPECIFICATION SHEET

MAGNA

SBMP1

STRONG BASE ANION

TYPE I ANION
POLYSTYRENIC MACROPOROUS
CHLORIDE FORM

ResinTech SBMP1 is a chloride form type 1 macroporous strong base anion resin. It is optimized for waters that punish other anion resins. SBMP1 is intended for high flow rate and high-temperature polishing applications, and for other applications that require the highest possible physical strength and chemical durability.

APPLICATIONS

- Demineralization
- Radwaste Removal

TYPICAL PROPERTIES & PHYSICAL CHARACTERISTICS	
Polymer Matrix	Styrenic Macroporous
Ionic Form	Chloride
Fuctional Group	Trimethylamine
Physical Form	Spherical Beads
Particle Size	16 to 50 US Mesh (297 - 1190 µm)
% < 50 mesh (300µm)	< 1%
Minimum Sphericity	95%
Uniformity Coefficient	1.6
Reversible Swelling	Cl to OH 15% to 20%
Temp Limit	170°F (77°C)
Capacity (meq/mL)	1.1
Moisture Retention	50% to 63%
Shipping Weight	41 - 43 lbs/ft³ (657 - 689 g/L)
Color	White to Cream
Regenerability	Yes

CERTIFICATIONS

Kosher Certified

PACKAGING OPTIONS

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

Revision 1.0

MADE IN AMERICA

RESINTECH® INC.
INNOVATIONS IN ION EXCHANGE

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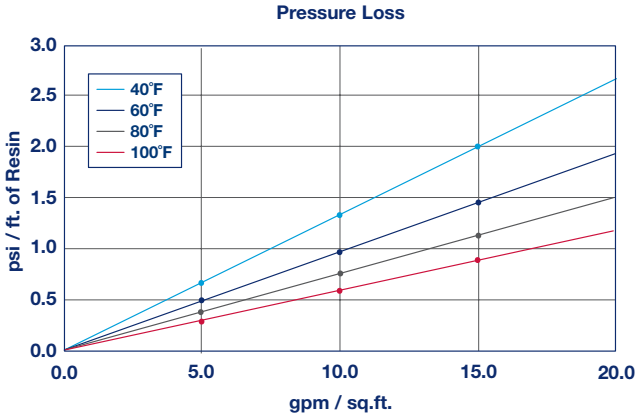

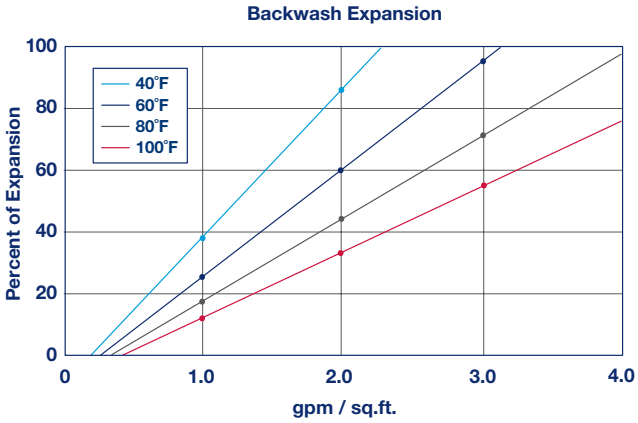

RADWASTE

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.

SUGGESTED OPERATING CONDITIONS

Maximum continuous temperature	
Chloride form	170˚F
Minimum bed depth	24 inches
Backwash expansion	25 to 50 percent
Maximum pressure loss	20 psi
Operating pH range	0 to 14 SU
Regenerant Concentration	
Hydroxide cycle	2 to 6 percent NaOH
Salt cycle	2 to 10 percent NaCl
Regenerant level	4 to 10 lbs./cu.ft.
Regenerant flow rate	0.25 to 1.0 gpm/cu.ft.
Regenerant contact time	>40 minutes
Displacement flow rate	Same as dilution water
Displacement volume	10 to 15 gallons/cu.ft.
Rinse flow rate	Same as service flow
Rinse volume	35 to 60 gallons/cu.ft.
Service flow rate	1 to 10 gpm/cu.ft.

Note: These guidelines describe average low risk operating conditions. They are not intended to be absolute minimums or maximums.
For operation outside these guidelines, contact ResinTech Technical Support

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