

RSM-50

Radium selective hybrid media, strong acid cation, styrene/DVB macroporous, sodium form

ResinTech RSM-50 is a sodium form macroporous highly crosslinked hybrid strong acid cation resin. Barium sulfate is monoatomically dispersed into the polymer resulting in a very long throughput capacity for radium on a one-time basis. RSM-50 is intended for radium removal from otherwise potable waters that contain modest concentrations of sulfate and neutral pH.



FEATURES & BENEFITS

- Enhanced Radium Capacity
- Intended For Single Use
- Superior Physical Stability
- Complies With US FDA Regulations

APPLICATIONS

- Radium Removal



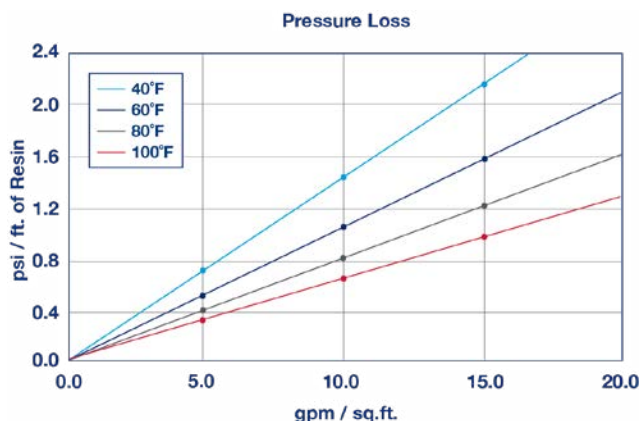
Meets NSF/ANSI/CAN 61

Meets NSF/ANSI/CAN 372

RSM-50

Polymer Matrix	Styrene/DVB	< 50 mesh (300 µm) %	< 1%
Polymer Type	Macroporous	Minimum Sphericity (%)	95
Ionic Form (as shipped)	Sodium (Na ⁺)	Uniformity	Gaussian
Functional Group	Hybrid	Uniformity Coefficient	1.60
Physical Form	Spherical Beads	Moisture Retention (%)	40 to 50
Particle Size US Mesh (µm)	16 (1190) to 50 (297)	Shipping Weight	54 - 56 lbs/cu.ft. (865 - 897 g/L)
		Color	Tan to Brown

PRESSURE LOSS



The graph above shows the expected pressure loss of ResinTech RSM-50 per foot of bed depth as a function of flow rate at various temperatures.

SUGGESTED OPERATING CONDITIONS

Minimum Bed Depth	24 in. (61.0 cm)	Operating pH Range	4.0 to 10.0
Maximum Pressure Loss	25 psi (172 kPa)	Flow Rate	
Backwash Expansion (%)	25 to 50	Working Service	1-10 gpm/cu.ft. (8-80 BV/h)

REGENERATION DETAILS

Rinse Volume -60 gals/cu.ft. (-8 BV)



PACKAGING**Standard**

1 cu.ft. Bag | 7 cu.ft. Drum

5 cu.ft. Drum | 42 cu.ft. Supersack

Metric

140L Drum | 1000 L Supersack

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

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