

MBD-20 DI Resin Spec Sheet

ResinTech MBD-20 is a mixed bed resin with extraordinary high initial cycle operating capacities. It is intended for use in demineralizer applications where high resistivity and low amine odor is required.

PHYSICAL PROPERTIES

Functional Structure	
Cation (Hydrogen form)	RSO ₃ -H ⁺ (Gel)
Anion (Hydroxyl Form)	R ₄ N ⁺ OH ⁻ (Type 2 Strong Base)
Physical Form	Tough, Spherical Beads
Screen Size Distribution	
+ 16 mesh (U.S. Std)	< 5 percent
- 45 mesh (U.S. Std)	< 2 percent
Volume Ratio (as shipped)	
Cation	42 percent
Anion	58 percent
Total Capacity	
Cation	1.95 meq/mL min. (Na ⁺ form)
Anion	1.45 meq/mL min. (Cl ⁻ form)
Column Operating Capacity	Initial Cycle
Electrolyte Breakthrough	
Regenerable Capacity	
First Two Months	approx. 0.6 meq/mL
Moisture Content (as shipped)	50 percent max.
Maximum Operating Temp.	
Non-regenerable	60°C (140°F)
Regenerable	35°C (95°F)
Operating Flow Rate	2 to 10 gpm/cu.ft. (typical)
pH Range	Stable 0 - 14
Effluent Quality	> 15 megohm
Approximate Shipping Weight	44 lbs./cu.ft. (720g/l)
Standard Packaging	7-cu.ft plastic lined fiber drums