

MBD-100 DI Resin Spec Sheet

RESINTECH MBD-100 is a mixed bed resin with high throughput capacity, which changes color as it becomes exhausted. It is intended for use in cartridge applications with clear (see-through) housings.

PHYSICAL PROPERTIES

Functional Structure	
Cation (Hydrogen form)	RSO_3H^+
Anion (Hydroxyl Form)	R3N- (Weak Base)
Physical Form	Spherical Beads
Ionic Form	H/FB
Screen Size Distribution	
90 percent	-16 -50 (U.S. St.)
Volume Ratio (as shipped)	
Cation	1.00 parts
Anion	1.50 parts
Total Capacity	
Cation	1.9 meq/mL min. (Na form)
Anion	1.4 meq/mL min. (FB form)
Column Capacity	Initial Cycle
Based on 50% CO ₂ + Silica	1.1+ meq/mL (24 krg./cu.ft.)
Moisture Content (as shipped)	70 percent max.
Maximum Operating Temp.	
Non-regenerable	80°C (175°F)
Operating Flow Rate	2 to 10 gpm/cu.ft. (typical)
pH Range	Stable 0 - 14
Approximate Shipping Weight	43 lbs./cu.ft. (720g/l)
Standard Packaging	7-cu.ft plastic lined fiber drums