PRODUCT SPECIFICATION SHEET

MBD-35

MIXED BED

STRONG BASE ANION POLYSTYRENIC GEL H / OH FORM

ResinTech MBD-35 is a 2:3 volumetric mixture of CG8-H-ID (a dyed hydrogen form cation resin) and SBG1P-OH (a hydroxide form type 1 porous strong base anion resin). The cation component is infused with a permanent pH indicator dye that changes color from royal purple to amber as the resin exhausts. MBD-35 is intended for use in cartridge applications where a color indication of resin exhaustion is desired.

APPLICATIONS

- Cartridge Applications
- Aquarium
- Steam Irons

TYPICAL PROPERTIES & PHYSICAL CHARACTERISTICS		
Polymer Matrix	Styrenic Macroporous	
Ionic Form	Hydrogen & Hydroxide	
Fuctional Group	Sulfonic Acid / Trimethylamine	
Physical Form	Spherical Beads CON	
Particle Size	16 to 50 US Mesh (297 - 1190 µm)	
% < 50 mesh (300µm) Reversible Swelling Temp Limit Capacity (meq/mL) Moisture Retention	TENNO	
Reversible Swelling	H/OH to Na/Cl -15% to -17%	
Temp Limit	250°F (121°C)	
Capacity (meq/mL)	0.6	
Moisture Retention	53% to 62%	
Shipping Weight	42 - 44 lbs/ft³ (673 - 705 g/L)	
Color	Amber & Purple	
Regenerability	Yes	

PACKAGING OPTIONS

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

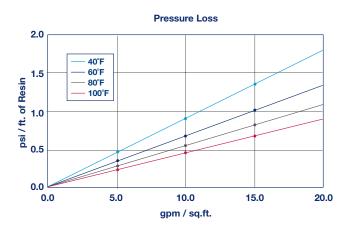


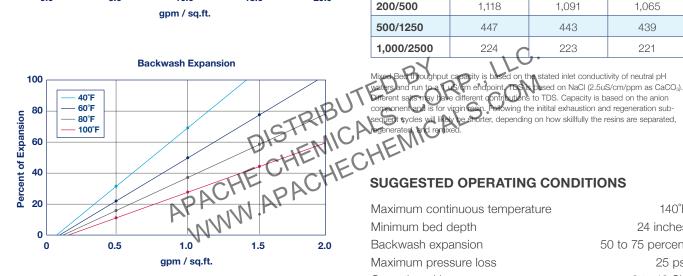


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CARTRIDGE USE

ResinTech MBD-35 premixed mixed bed is ideal for single use cartridge applications where the longest possible throughput capacity is desired. The cation component of MBD-35 is dyed purple and turns amber in color as the resin exhausts, providing a visual indication of resin life remaining. The ratio of anion to cation resin is optimized to provide balanced exchange of both cations and anions as well as to maximize throughput.

THROUGHPUT CAPACITY (Gal/cu. ft.)			
TDS (ppm as CaO ₃) Conductivity (uS/cm)	No CO ₂ or SiO ₂	5 ppm CO ₂ or SiO ₂	10 ppm CO ₂ or SiO ₂
2/5	111,834	31,953	18,639
5/12.5	44,734	22,367	14,911
10/25	22,367	14,911	11,183
20/50	11,183	8,947	7,456
50/125	4,473	4,067	3,728
100/250	2,237	2,130	2,033
200/500	1,118	1,091	1,065
500/1250	447	443	439
1,000/2500	224	223	221

140°F 24 inches 50 to 75 percent Maximum pressure loss 25 psi 2 to 12 SU Operating pH range

Service flow rate

Working 1 to 5 gpm per cu. ft. Polishing 3 to 15 gpm per 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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