

MBD-10

Mixed bed resin, styrene/DVB gel, high-purity, hydrogen & hydroxide form

ResinTech MBD-10 is a mixture of a dark colored hydrogen form cation resin and a hydroxide form type 1 strong base anion resin. The resin ratio is 1:1 on an equivalent basis and the component resins are chosen to separate easily for regeneration. MBD-10 is intended for use in all mixed bed deionization applications that require high resistivity and high throughput capacity.



FEATURES & BENEFITS

- High Total Capacity
- Ease Of Separation
- Superior Resistance To Organic Fouling
- Ideal For Portable Exchange Di Systems

APPLICATIONS

- Cartridge Applications
- Demineralization / DI
- Portable Exchange Deionization (PEDI)



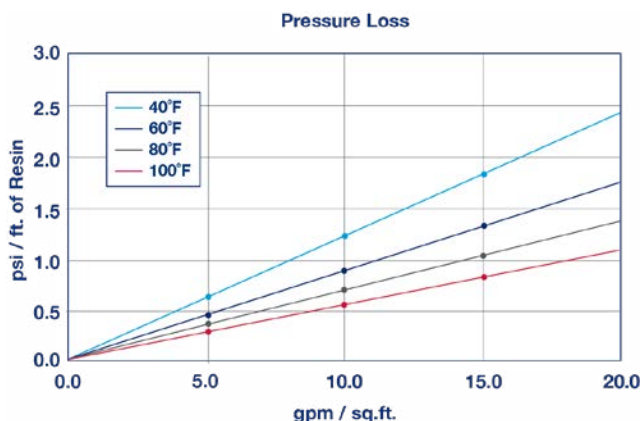
REACH Registered

Conforms to §21CFR173.25 of the USFDA Food Additives Regulations

MBD-10

Polymer Matrix	Styrene/DVB	Reversible Swelling	12 to 17% (H+/OH- , Na+/Cl-)
Polymer Type	Gel	Uniformity	Gaussian
Component(s)	60% SBG1-OH,40% CG8-H-BL	Uniformity Coefficient	1.60
Ionic Form (as shipped)	Hydrogen & Hydroxide (H / OH)	Capacity (meq/mL)	0.60
Physical Form	Spherical Beads	Moisture Retention (%)	53 to 65
Particle Size US Mesh (µm)	16 (1190) to 50 (297)	Shipping Weight	42 - 44 lbs/cu.ft. (673 - 705 g/L)
< 50 mesh (300 µm) %	< 1%	Color	Amber Dark Brown to Black

PRESSURE LOSS



The graph above shows the expected pressure loss of ResinTech MBD-10 per foot of bed depth as a function of flow rate at various temperatures.

SUGGESTED OPERATING CONDITIONS

Maximum Temperature	140°F (60°C)	Flow Rate	
Minimum Bed Depth	24 in. (61.0 cm)	Working Service	1-5 gpm/cu.ft. (8-40 BV/h)
Maximum Pressure Loss	25 psi (172 kPa)	Polishing	3-15 gpm/cu.ft. (24-120 BV/h)
Operating pH Range	2.0 to 12.0		

PACKAGING

Standard

7 cu.ft. Drum | 42 cu.ft. Supersack
 1 cu.ft. Bag | 5 cu.ft. Drum

Metric

25L Bag | 140L Drum

COMPONENT MEDIA

60% SBG1-OH,40% CG8-H-BL



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](https://www.resintech.com)

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