

MBD-35

Color-indicating mixed bed resin, styrene/DVB gel, hydrogen & free base 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 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.



FEATURES & BENEFITS

- Color Indicating Resin
- Designed For Cartridge Use
- High Total Capacity
- Controlled Particle Size

APPLICATIONS

- Cartridge Applications

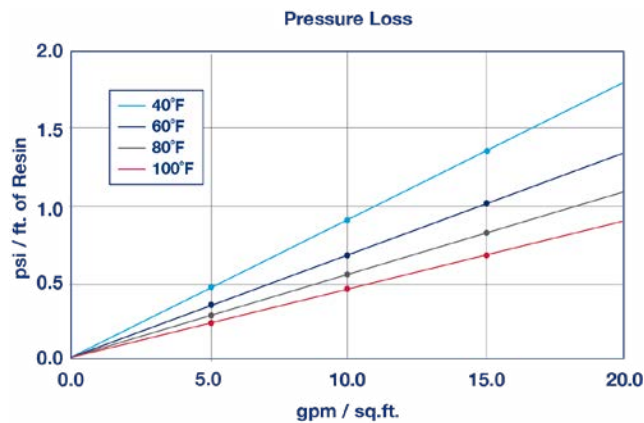


REACH Registered

MBD-35

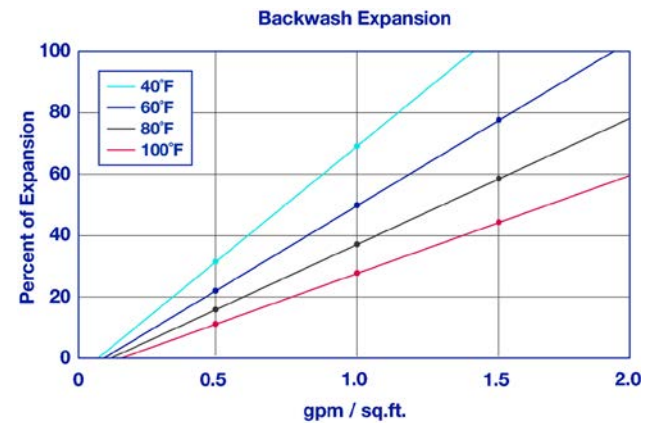
Polymer Matrix	Styrene/DVB	Reversible Swelling	12 to 17% (Na ⁺ /Cl ⁻ → H ⁺ /OH ⁻)
Polymer Type	Gel	Uniformity	Gaussian
Component(s)	60% SBG1-OH,40% CG8-H-ID	Capacity (meq/mL)	0.60
Ionic Form (as shipped)	Hydrogen & Hydroxide (H ⁺ / OH ⁻)	Moisture Retention (%)	53 to 62
Physical Form	Spherical Beads	Shipping Weight	42 - 44 lbs/cu.ft. (673 - 705 g/L)
< 50 mesh (300 μm) %	< 1	Color	Amber Purple

PRESSURE LOSS



The graph above shows the expected pressure loss of ResinTech MBD-35 per foot of bed depth as a function of flow rate at various temperatures.

BACKWASH EXPANSION



The graph above shows the expansion characteristics of ResinTech MBD-35 as a function of flow rate at various temperatures.

SUGGESTED OPERATING CONDITIONS

Maximum Temperature	180°F (82°C)	Operating pH Range	2.0 to 12.0
Minimum Bed Depth	24 in. (61.0 cm)	Flow Rate	
Maximum Pressure Loss	25 psi (172 kPa)	Working Service	1-5 gpm/cu.ft. (8-40 BV/h)

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-ID



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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