

MBD-19

High-capacity mixed bed resin, styrene/DVB gel, hydrogen & hydroxide form

ResinTech MBD-19 is a 2:3 volumetric mixture of CG8-H (an amber-colored hydrogen form cation resin) and SBG1P-OH (a hydroxide form type 1 porous strong base anion resin). The volume ratio is close to 1:1 on an equivalent basis and the component resins are chosen to separate easily for regeneration. MBD-19 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 organic fouling resistance
- Ideal for portable exchange DI systems
- Complies with US FDA regulations

APPLICATIONS

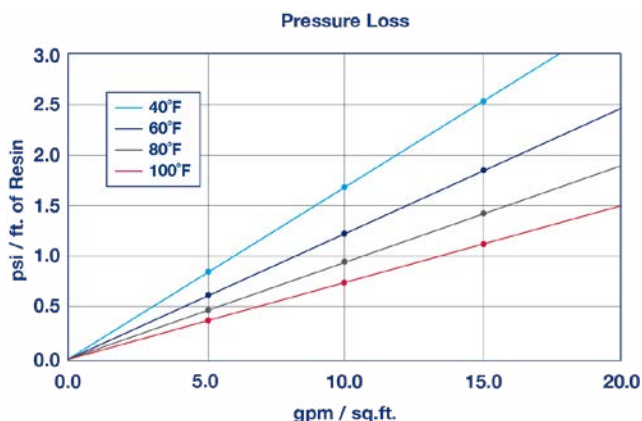
- Cartridge Applications
- Special Purpose Use

REACH Registered

MBD-19

Polymer Matrix	Styrene/DVB	Reversible Swelling	12 to 17% (H+/OH- → Na+/Cl-)
Polymer Type	Gel	Uniformity	Gaussian
Component(s)	60% SBG1P-OH,40% CG8-H	Capacity (meq/mL)	0.50
Ionic Form (as shipped)	Hydrogen & Hydroxide (H ⁺ / OH ⁻)	Moisture Retention (%)	45 to 55
Physical Form	Spherical Beads	Shipping Weight	43 - 45 lbs/cu.ft. (689 - 721 g/L)
< 50 mesh (300 μm) %	< 1%	Color	Amber Amber to Brown

PRESSURE LOSS



The graph above shows the expected pressure loss of ResinTech MBD-19 per foot of bed depth as a function of flow rate at various temperatures.

SUGGESTED OPERATING CONDITIONS

Minimum Bed Depth	24 in. (61.0 cm)	Flow Rate	
Maximum Pressure Loss	25 psi (172 kPa)	Working Service	Depends on fluid viscosity, Contact ResinTech
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% SBG1P-OH,40% CG8-H

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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