

MBD-15-NG

Mixed bed resin, styrene/DVB gel, nuclear grade, hydrogen & hydroxide form

ResinTech MBD-15-NG is a 2:3 volumetric mixture of CG8-H-BL (a dark-colored hydrogen form cation resin) and SBG1P-OH (a hydroxide form type 1 porous strong base anion resin). The NG grade means it has been functionally tested to produce >18 megohm resistivity and under 50 ppb of TOC. MBD-15-NG is intended for use in nuclear mixed bed deionization applications that require high resistivity and high throughput capacity.



FEATURES & BENEFITS

- Ultrapure performance
- Ease of separation
- Superior thermal and physical stability
- Ideal for portable exchange DI systems
- Complies with US FDA regulations

APPLICATIONS

- In-Place Regeneration
- Portable Exchange Deionization (PEDI)
- Single Use Applications

REACH Registered

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

MBD-15-NG

Polymer Matrix	Styrene/DVB	< 50 mesh (300 µm) %	< 1%
Polymer Type	Gel	Reversible Swelling	12 to 17% (H+/OH- → Na+/Cl-)
Component(s)	60% SBG1P-OH,40% CG8-H-BL	Uniformity	Gaussian
Ionic Form (as shipped)	Hydrogen & Hydroxide (H ⁺ / OH ⁻)	Capacity (meq/mL)	0.55
Physical Form	Spherical Beads	Moisture Retention (%)	57 to 65
Particle Size US Mesh (µm)	16 (1190) to 50 (297)	Shipping Weight	42 - 44 lbs/cu.ft. (673 - 705 g/L)
		Color	Amber Dark Brown to Black

SUGGESTED OPERATING CONDITIONS

Maximum Temperature	180°F (82°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% SBG1P-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

