

## N-MBD-10-NH4

### Mixed bed resin, condensate polishing grade, ammonium & hydroxide form (navy spec)

ResinTech MBD-10-NH4 is a 2:3 volumetric mixture of CG8-NH4-BL (a dark-colored ammonium form cation resin) and SBG1-OH (a hydroxide form type 1 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-10-NH4 is intended for use in mixed bed applications such as condensate polishing that require an ammoniated cation component.



#### APPLICATIONS

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

REACH Registered

N-MBD-10-NH4

Polymer Matrix	Styrene/DVB	< 50 mesh (300 µm) %	< 1%
Polymer Type	Gel	Reversible Swelling	12 to 15% (H+/OH- → Na+/Cl-)
Component(s)	60% N-SBG1-OH,40% N-CG8-NH4	Uniformity	Gaussian
Ionic Form (as shipped)	Ammonium & Hydroxide (NH <sub>4</sub> <sup>+</sup> / OH <sup>-</sup> )	Capacity (meq/mL)	0.60
Physical Form	Spherical Beads	Moisture Retention (%)	53 to 62
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	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)

**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% N-SBG1-OH,40% N-CG8-NH4

**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](http://resintech.com)

