

MBD-15-SC NX

Mixed bed resin, styrene/DVB gel, semiconductor grade, hydrogen & hydroxide form (nxstage spec)

ResinTech MBD-15-SC NX 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 SC NX grade means it has been functionally tested to produce >18 megohm resistivity and under 50 ppb of TOC. MBD-15-SC NX is intended for use in mixed bed deionization applications that require high resistivity and high throughput capacity.



FEATURES & BENEFITS

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

APPLICATIONS

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



REACH Registered

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

MBD-15-SC NX

| | | | |
|----------------------------|--|------------------------|------------------------------------|
| 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 | 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% 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

