

SBG2-HCO3-HP

Strong base type 2 anion resin, styrene/DVB gel, high purity, bicarbonate form

ResinTech SBG2-HP-HCO3 is a high purity bicarbonate form Type 2 gel strong base anion resin. The HP (high purity) designation means it is Gold Seal Certified by the WQA for use in potable water applications. SBG2-HP-HCO3 is intended for use in potable water applications where a Type 2 strong base anion resin is required, where an initial pH drop is undesirable, or where the release of chlorides is objectionable.



FEATURES & BENEFITS

- Supplied in the bicarbonate form
- High total capacity
- Superior physical stability
- Controlled particle size
- Wqa approved for use with potable water

APPLICATIONS

- pH Correction of Acidic Waters
- Acid Adsorption
- Trace Contaminant Removal
- Sulfate Removal
- Chloride Removal



C US

Meets NSF/ANSI/CAN 61
Meets NSF/ANSI/CAN 372

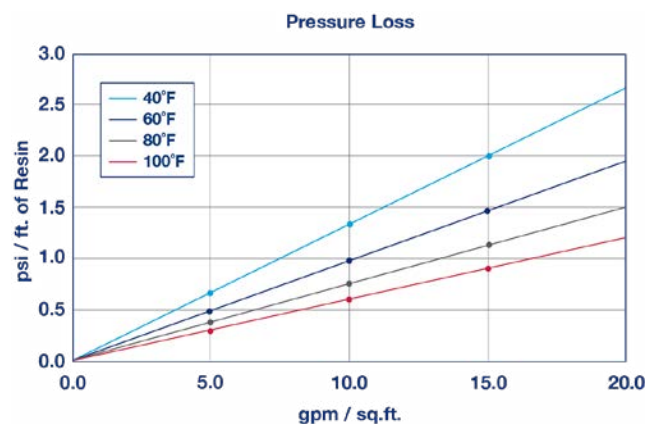
REACH Registered

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

SBG2-HCO3-HP

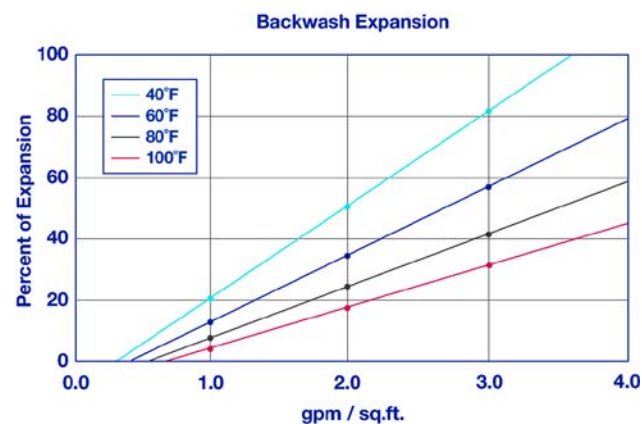
| | | | |
|----------------------------|---------------------------------|------------------------|------------------------------------|
| Polymer Matrix | Styrene/DVB | Reversible Swelling | 12 to 15% (Cl → OH) |
| Polymer Type | Gel | Uniformity | Gaussian |
| Ionic Form (as shipped) | Bicarbonate (HCO ₃) | Uniformity Coefficient | 1.60 |
| Functional Group | Dimethylethanolamine | Capacity (meq/mL) | 1.40 |
| Physical Form | Spherical Beads | Moisture Retention (%) | 36 to 45 |
| Particle Size US Mesh (µm) | 16 (1190) to 50 (297) | Shipping Weight | 43 - 45 lbs/cu.ft. (689 - 721 g/L) |
| < 50 mesh (300 µm) % | < 1 | Color | White To Amber |
| Minimum Sphericity (%) | 93 | | |

PRESSURE LOSS



The graph above shows the expected pressure loss of ResinTech SBG2-HCO3-HP 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 SBG2-HCO3-HP as a function of flow rate at various temperatures.

SUGGESTED OPERATING CONDITIONS

| | | | |
|------------------------|------------------|--------------------|-----------------------------|
| Maximum Temperature | 170°F (77°C) | Operating pH Range | 0 to 14 |
| Maximum Pressure Loss | 20 psi (138 kPa) | Flow Rate | |
| Backwash Expansion (%) | 25 - 50 | Working Service | 1-10 gpm/cu.ft. (8-80 BV/h) |

REGENERATION DETAILS

| | | | |
|------------------------|------------------------|---------------------|----------------------------|
| Displacement Flow Rate | Same as dilution water | Displacement Volume | 10-15 gals/cu.ft. (1-2 BV) |
|------------------------|------------------------|---------------------|----------------------------|



PACKAGING**Standard**

42 cu.ft. Supersack | 7 cu.ft. Drum
1 cu.ft. Bag | 5 cu.ft. Drum

Metric

25L Bag | 140L Drum

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

Page 3 of 3

Last Update: 10-Apr-26

