SBG2-HCO3-HP

Grade: High Purity

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

PHYSICAL PROPERTIES

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

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)

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

RESINTECH INC.
INNOVATIONS IN ION EXCHANGE

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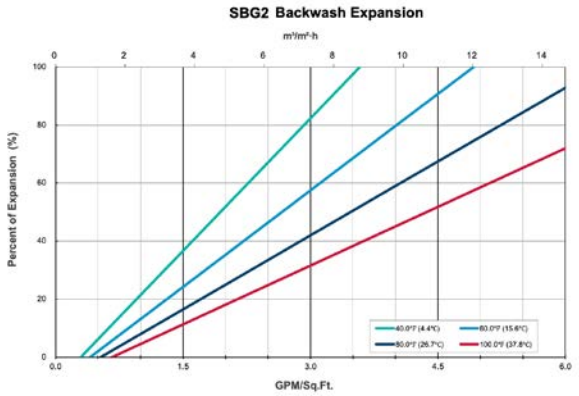
SBG2-HCO3-HP

BACKWASH EXPANSION



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

CERTIFICATIONS

Meets NSF/ANSI/CAN 61

Meets NSF/ANSI/CAN 372

REACH Registered

PACKAGING

Standard

42 cu.ft. Supersack | 7 cu.ft. Drum
200L Drum | 1000L Supersack

Metric

1 cu.ft. Bag | 5 cu.ft. Drum
25L Bag | 140L Drum

Shipping Weight

43 - 45 lbs/cu.ft. (689 - 721 g/L)

MATERIAL SAFETY DATA SHEETS (MSDS)

Material Safety Data Sheets (MSDS) 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

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