

SBG1P-HCO3-HP

Strong base type 1 anion resin, porous styrene/DVB gel, bicarbonate form

ResinTech SBG1-HCO3-HP is a bicarbonate form type 1 porous strong base anion resin. SBG1-HCO3 is intended for use in salt form strong base anion applications where an initial pH drop is undesirable or where release of chlorides is objectionable. ResinTech SBG1-HCO3-HP is supplied in the bicarbonate form. The HP (high purity) designation means it is Gold Seal Certified by the WQA for use in potable water applications.



FEATURES & BENEFITS

- Supplied in the bicarbonate form
- High total capacity
- Superior physical stability
- Controlled particle size
- Complies with US FDA regulations

APPLICATIONS

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



Meets NSF/ANSI/CAN 61

Meets NSF/ANSI/CAN 372

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

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Polymer Matrix	Styrene/DVB	Minimum Sphericity (%)	93
Polymer Type	Porous	Reversible Swelling	42 to 51% (HCO ₃ → OH)
Ionic Form (as shipped)	Bicarbonate (HCO ₃)	Uniformity	Gaussian
Functional Group	Trimethylamine	Uniformity Coefficient	1.60
Physical Form	Spherical Beads	Capacity (meq/mL)	1.30
Particle Size US Mesh (µm)	16 (1190) to 50 (297)	Moisture Retention (%)	42 to 51
< 50 mesh (300 µm) %	< 1	Color	White to Yellow

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

Salt Cycle (NaCl)	2% to 10%	Displacement Volume	10-15 gals/cu.ft. (1-2 BV)
Displacement Flow Rate	Same as dilution water		

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

