

# SBG1P-OH-SC

**Strong base type 1 anion resin, porous styrene/DVB gel, semiconductor grade, hydroxide form**

ResinTech SBG1P-OH-SC is a type 1 porous gel strong base anion resin in hydroxide form. The SC grade means it has been functionally tested to produce >18 megohm resistivity and under 50 ppb of TOC (when paired in a mixed bed with SC grade cation resin). SBG1P-OH-SC is intended for use in industrial demineralizing applications such as two beds and mixed beds where a resin that has been tested to confirm high resistivity and low TOC is required.



### FEATURES & BENEFITS

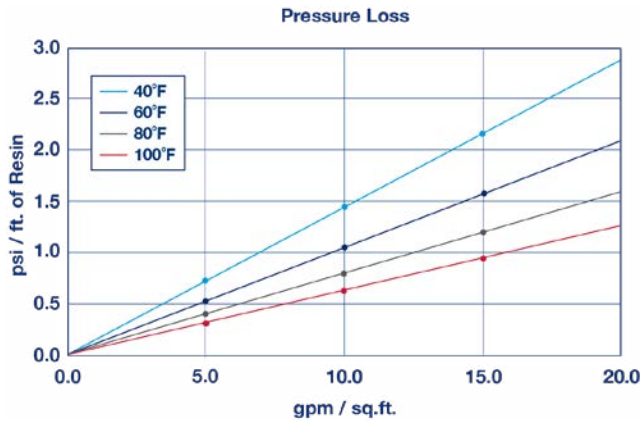
- High operating capacity
- Low TOC leach rate
- Organic fouling resistance
- Superior physical stability
- Complies with us fda regulation

### APPLICATIONS

- High Purity DI Water
- Demineralization / DI
- Low TOC
- Mixed Bed Components
- Silica Removal

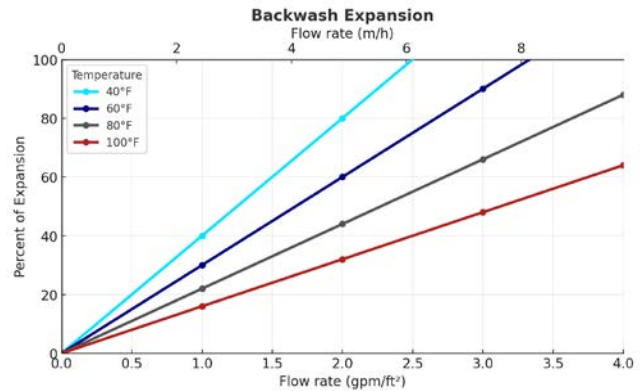
Polymer Matrix	Styrene/DVB	Minimum Sphericity (%)	93
Polymer Type	Porous	Reversible Swelling	18 to 25% (Cl → OH)
Ionic Form (as shipped)	Hydroxide (OH <sup>-</sup> )	Uniformity	Gaussian
Functional Group	Trimethylamine	Uniformity Coefficient	1.60
Physical Form	Spherical Beads	Capacity (meq/mL)	1.00
Particle Size US Mesh (µm)	16 (1190) to 50 (297)	Moisture Retention (%)	NA**
< 50 mesh (300 µm) %	< 1	Shipping Weight	41 - 43 lbs/cu.ft. (657 - 689 g/L)
		Color	White To Amber

**PRESSURE LOSS**



The graph above shows the expected pressure loss of ResinTech SBG1P-OH-SC 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 SBG1P-OH-SC as a function of flow rate at various temperatures.

**SUGGESTED OPERATING CONDITIONS**

Maximum Temperature	140°F (60°C)
Maximum Pressure Loss	20 psi (138 kPa)
Backwash Expansion (%)	25 - 50

Flow Rate	
Working Service	1-10 gpm/cu.ft. (8-80 BV/h)

**REGENERATION DETAILS**

Hydroxide Cycle (NaOH)	2 to 6%
Displacement Flow Rate	Same as dilution water

Displacement Volume	10-15 gals/cu.ft. (1-2 BV)
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**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](https://www.resintech.com)

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