

SBG1P-OH-ULTRA

Strong base type 1 anion resin, porous styrene/DVB gel, ultra lowTOC grade, hydroxide form

ResinTech SBG1P-OH-ULTRA is a type 1 porous gel strong base anion resin in hydroxide form. The ULTRA grade has been functionally tested to produce >18 megohm resistivity and under 2 ppb of TOC (when mixed with ULTRA grade cation resin). SBG1P-OH-ULTRA 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 the lowest possible TOC is required.



FEATURES & BENEFITS

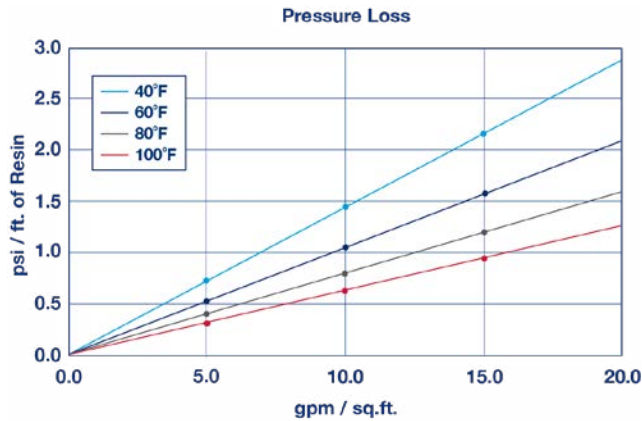
- Lowest TOC ultrapure water production
- Controlled particle size
- Superior physical stability

APPLICATIONS

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

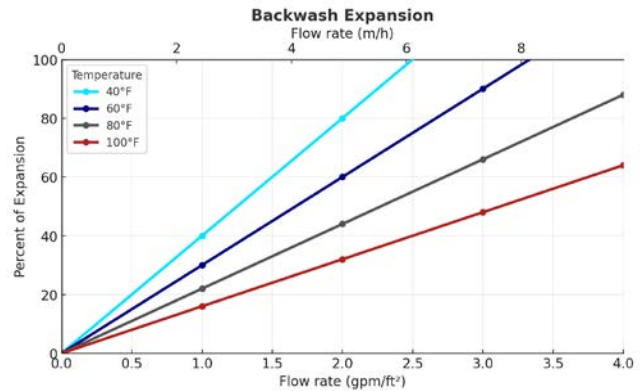
Polymer Matrix	Styrene/DVB	Minimum Sphericity (%)	93
Polymer Type	Porous	Reversible Swelling	18 to 25% (Cl → OH)
Ionic Form (as shipped)	Hydroxide (OH ⁻)	Uniformity	Gaussian
Functional Group	Trimethylamine	Uniformity Coefficient	1.60
Physical Form	Spherical Beads	Capacity (meq/mL)	1.00
Particle Size 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-ULTRA 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-ULTRA 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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