SBG1-OH-ULTRA

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

ResinTech SBG1-OH-ULTRA is a high solids type 1 gel strong base anion resin in the hydroxide form. The ULTRA grade has been functionally tested to produce >18 megohm resistivity and under 2 ppb of TOC (when paired in a mixed bed with ULTRA grade cation resin). SBG1-OH-ULTRA is intended for use in industrial applications where a hydroxide form anion resin is required, for mixed beds, high operating temperatures, and low TDS polishing such as RO permeate.

FEATURES & BENEFITS

- High total capacity for long run lengths
- Lowest TOC leach rate
- Superior physical stability
- Controlled particle size
- Complies with us fda regulations

APPLICATIONS

- Anion Component in Mixed Beds

REACH Registered

RESINTECH® INC.
INNOVATIONS IN ION EXCHANGE

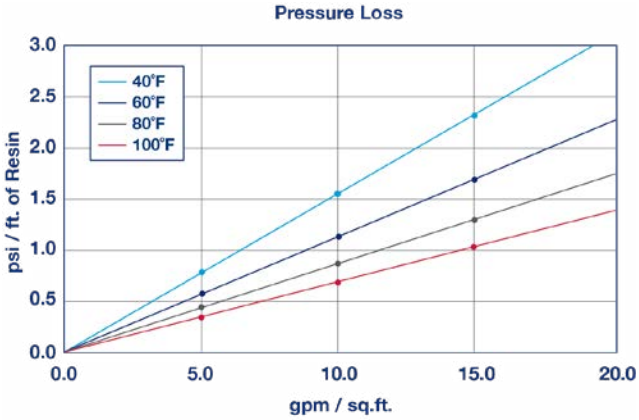
CORPORATE HEADQUARTERS 1801 Federal Street Camden, NJ 08105 USA PHONE 856.768.9600 EMAIL info@resintech.com WEB resintech.com

SBG1-OH-ULTRA

Polymer Matrix	Styrene/DVB
Polymer Type	Gel
Ionic Form (as shipped)	Hydroxide (OH^-)
Functional Group	Trimethylamine
Physical Form	Spherical Beads
Particle Size US Mesh (µm)	16 (1190) to 50 (297)
< 50 mesh (300 µm) %	< 1

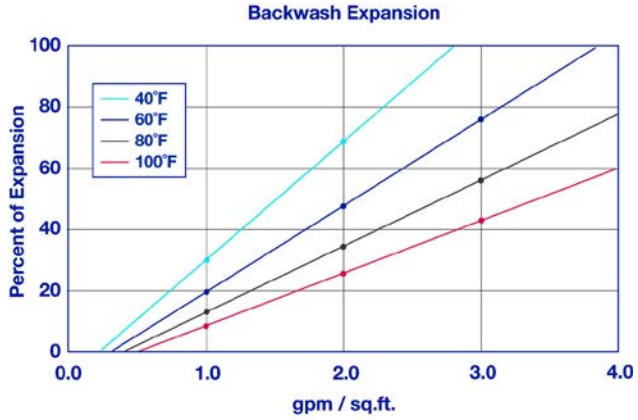
Minimum Sphericity (%)	93
Reversible Swelling	18 to 25% (Cl → OH)
Uniformity	Gaussian
Uniformity Coefficient	1.60
Capacity (meq/mL)	1.20
Moisture Retention (%)	52 to 60
Shipping Weight	41 - 43 lbs/cu.ft. (657 - 689 g/L)
Color	Yellow to Orange

PRESSURE LOSS



The graph above shows the expected pressure loss of ResinTech SBG1-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 SBG1-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	Depends on fluid viscosity. Contact ResinTech

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

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