SBG1P-OH-NANO

Grade: Nano

Strong base type 1 anion resin, styrene/DVB gel, nano grade, hydroxide form

ResinTech SBG1P-OH-NANO is a type 1 gel strong base anion resin in the hydroxide form. The NANO 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-NANO is intended for use in polishing demineralizing applications such as mixed beds where a resin that has been tested to confirm high resistivity and the lowest TOC possible is required.

FEATURES & BENEFITS

- Lowest TOC leach rate
- Ultrapure water production
- Controlled particle size
- Superior physical stability

APPLICATIONS

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

PHYSICAL PROPERTIES

Polymer Matrix	Styrene/DVB
Polymer Type	Gel
Ionic Form (as shipped)	Hydroxide (OH^-)
Functional Group	Trimethylamine
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	18 to 25% (Cl → OH)
Capacity (meq/mL)	1.00
Moisture Retention (%)	52 to 60
Color	White To Amber

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

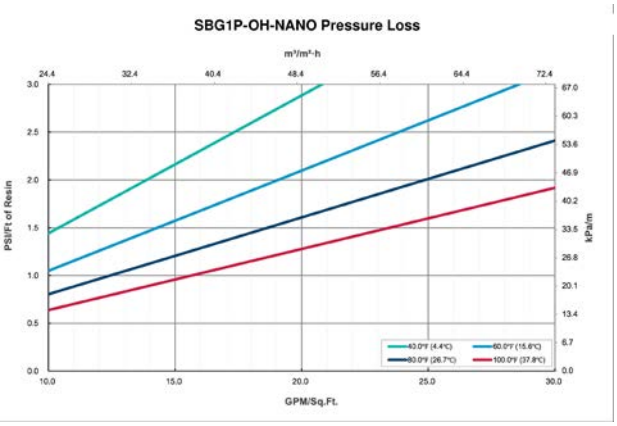
Hydroxide Cycle (NaOH)	2 to 6%
Displacement Flow Rate	Same as dilution water
Displacement Volume	10-15 gals/cu.ft. (1-2 BV)

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

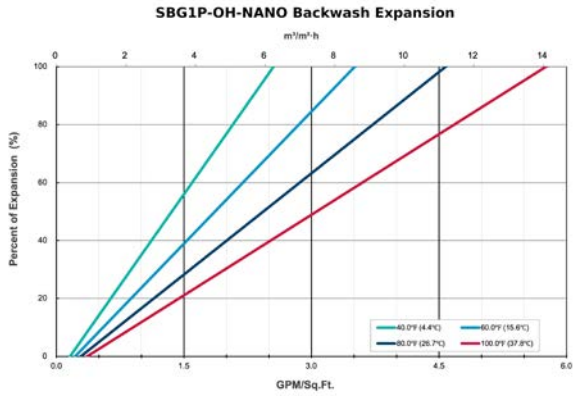
SBG1P-OH-NANO

PRESSURE LOSS



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

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

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

RESIN TECH® 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