SBG1P-OH-ID

Grade: Standard

Color-indicating strong base type 1 anion resin, styrene/DVB gel, hydroxide form

ResinTech SBG1P-OH-ID is a dyed type 1 gel strong base anion resin in the hydroxide form. The ID grade means it has been dyed with a permanent blue dye that changes from deep blue to amber as the resin exhausts. ResinTech SBG1P-OH-ID is intended for cartridge use in mixed beds and other applications where a visual indication of resin exhaustion is desired.

FEATURES & BENEFITS

- Dyed indicator anion resin
- Suitable for cartridges
- Mixed bed or separate bed applications

APPLICATIONS

- High Purity DI Water
- Color-Indicating Applications
- Demineralization / DI

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% ($Cl \rightarrow OH$)
Capacity (meq/mL)	1.00
Moisture Retention (%)	53 to 60
Shipping Weight	41 - 43 lbs/cu.ft. (657 - 689 g/L)
Color	Blue

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)

RESINTECH® INC.
INNOVATIONS IN ION EXCHANGE

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PRESSURE LOSS

The graph above shows the expected pressure loss of ResinTech SBG1P-OH-ID 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-ID 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

Shipping Weight

41 - 43 lbs/cu.ft. (657 - 689 g/L)

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

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