SBG2-OH-UPS

Grade: Standard

Strong base type 2 anion resin, styrene/DVB gel, uniform particle size, hydroxide form

ResinTech SBG2-OH-UPS is a uniform particle size type 2 gel strong base anion resin in the hydroxide form. Type 2 anion resins have higher chemical regeneration efficiencies and better resistance to fouling than type 1 anion resins. SBG2-OH-UPS is intended for industrial use in the hydroxide form for two bed demineralizers and for mixed bed applications.

FEATURES & BENEFITS

- High operating capacity
- Multiple contaminant removal
- Superior physical stability
- Complies with US FDA regulations

APPLICATIONS

- High Purity DI Water
- Condensate Polishing
- Ultrapure Water Production (UPW)
- Demineralization / DI
- Mixed Bed Components
- Silica Removal

PHYSICAL PROPERTIES

Polymer Matrix	Styrene/DVB
Polymer Type	Gel
Ionic Form (as shipped)	Hydroxide (OH^-)
Functional Group	Dimethylethanolamine
Physical Form	Spherical Beads
Uniformity Coefficient	1.25
Effective Particle Size	625 +100 µm
< 50 mesh (300 µm) %	< 1
Minimum Sphericity (%)	95
Reversible Swelling	8 to 12% (Cl → OH)
Capacity (meq/mL)	1.00
Moisture Retention (%)	52 to 60
Color	Orange to Dark Red

SUGGESTED OPERATING CONDITIONS

Maximum Temperature	95°F (35°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)
Rinse Volume	Minimum of 30 gals/cu.ft. (4 BV)

RESINTECH® INC.
INNOVATIONS IN ION EXCHANGE

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DEMINERALIZATION

ResinTech SBG2-OH-UPS can be used as the anion component in a variety of demineralization applications where a hydroxide form anion resin is coupled with a hydrogen form cation resin. SBG2-OH is more efficiently regenerated than type 1 resins such as SBG1-OH-UPS and often has higher operating capacity. SBG2-OH-UPS has less objectionable odor than typically associated with type 1 anion resins.

CERTIFICATIONS

REACH Registered

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

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