SBG1-EC

Strong base type 1 anion resin, styrene/DVB gel, chloride form

ResinTech SBG1-EC is a special made-to-order chloride form Type I gel strong base anion resin. It has similar physical and chemical properties as other resins in the SBG1 family.

FEATURES & BENEFITS

- High total capacity for long run lengths
- Lower TOC leach rate
- Superior physical stability
- Controlled particle size
- Low pressure drop & better kinetics
- Complies with us fda regulations

APPLICATIONS

- Mining Applications
- Polishing - High Flow Rate

REACH Registered

Halal Certified

Kosher Certified

Conforms to §21CFR173.25 of the USFDA Food Additives Regulations

ResinTech Inc.
INNOVATIONS IN ION EXCHANGE

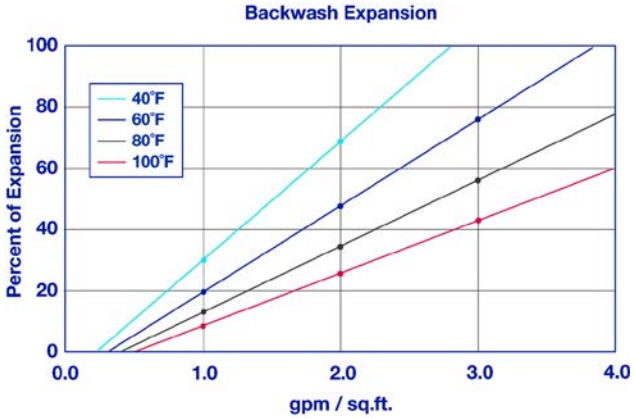
CORPORATE HEADQUARTERS 1801 Federal Street Camden, NJ 08105 USA PHONE 856.768.9600 EMAIL info@resintech.com WEB resintech.com

SBG1-EC

Polymer Matrix	Styrene/DVB
Polymer Type	Gel
Ionic Form (as shipped)	Chloride (Cl^-)
Functional Group	Trimethylamine
Physical Form	Spherical Beads
Particle Size US Mesh (µm)	16 (1190) to 20 (841)
< 50 mesh (300 µm) %	< 5%

Minimum Sphericity (%)	88
Reversible Swelling	18 to 25% (Cl → OH)
Uniformity	Gaussian
Uniformity Coefficient	1.60
Capacity (meq/mL)	1.40
Moisture Retention (%)	42 to 51
Shipping Weight	42 - 44 lbs/cu.ft. (673 - 705 g/L)
Color	White To Amber

BACKWASH EXPANSION



The graph above shows the expansion characteristics of ResinTech SBG1-EC as a function of flow rate at various temperatures.

SUGGESTED OPERATING CONDITIONS

Maximum Temperature	170°F (77°C)
Maximum Pressure Loss	20 psi (138 kPa)
Backwash Expansion (%)	25 - 50

Flow Rate	
Working Service	Depends on fluid viscosity. Contact ResinTech

REGENERATION DETAILS

Salt Cycle (NaCl)	2% to 10%
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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