CG8-H-LTOC

Strong acid cation resin, styrene/DVB 8% crosslinked gel, hydrogen form

ResinTech CG8-H-LTOC is an amber-colored hydrogen form 8% crosslinked gel strong acid cation resin. The LTOC grade means it has been functionally tested to produce >18 megohm resistivity and under 10 ppb of TOC (when paired in a mixed bed with LTOC grade anion resin). CG8-H-LTOC is intended for use in high purity applications where a low TOC cation resin is required.

FEATURES & BENEFITS

- Demineralizing applications
- Low TOC
- Superior physical stability

APPLICATIONS

- Cation Component in Mixed Beds
- Pharmaceutical

REACH Registered

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CG8-H-LTOC

Polymer Matrix	Styrene/DVB
Polymer Type	Gel
Ionic Form (as shipped)	Hydrogen (H^+)
Functional Group	Sulfonic Acid
Physical Form	Spherical Beads
Particle Size US Mesh (µm)	16 (1190) to 50 (297)
< 50 mesh (300 µm) %	< 1%
Minimum Sphericity (%)	93
Reversible Swelling	5 to 9% (Na → H)
Uniformity	Gaussian
Uniformity Coefficient	1.60
Capacity (meq/mL)	1.80
Moisture Retention (%)	47 to 56
Shipping Weight	49 - 51 lbs/cu.ft. (785 - 817 g/L)
Color	Amber to Brown
Regenerable	Regenerable

SUGGESTED OPERATING CONDITIONS

Maximum Temperature	265°F (129°C)
Minimum Bed Depth	24 in. (61.0 cm)
Maximum Pressure Loss	25 psi (172 kPa)
Backwash Expansion (%)	25 to 50
Operating pH Range	0 to 14
Flow Rate	
Working Service	1-10 gpm/cu.ft. (8-80 BV/h)

REGENERATION DETAILS

Hydrogen Cycle (H2SO4)	1 to 8%
Hydrogen Cycle (HCl)	5 to 10%
Regenerant Level	4-15 lbs/cu.ft. (64.1-240.3 g/L)
Regenerant Flow Rate	0.5-1.5 gpm/cu.ft. (4-12 BV/h)
Regenerant Contact Time	> 20 minutes
Displacement Flow Rate	Same as dilution water
Displacement Volume	10-15 gals/cu.ft. (1-2 BV)
Rinse Flow Rate	Same as service flow
Rinse Volume	35-60 gals/cu.ft. (5-8 BV)

PACKAGING

Standard

42 cu.ft. Supersack | 7 cu.ft. Drum
1 cu.ft. Bag | 5 cu.ft. Drum

Metric

25L Bag | 140L Drum

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INNOVATIONS IN ION EXCHANGE

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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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