CG8-NH4

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

ResinTech CG8-NH4 is an 8% crosslinked gel strong acid cation resin in the ammonium form. It has a capacity and other characteristics similar to other products in the CG8 family. CG8-NH4 is intended for use in condensate polishing applications that require an ammoniated cation resin.

FEATURES & BENEFITS

- Industrial softening and demineralizing applications
- Low color throw
- Superior physical stability

APPLICATIONS

- Condensate Polishing
- Softening - Commercial
- Softening - Industrial

Meets NSF/ANSI/CAN 44
Meets NSF/ANSI/CAN 61
Meets NSF/ANSI/CAN 372

REACH Registered
Kosher Certified
Halal Certified

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

ResinTech Inc.
INNOVATIONS IN ION EXCHANGE

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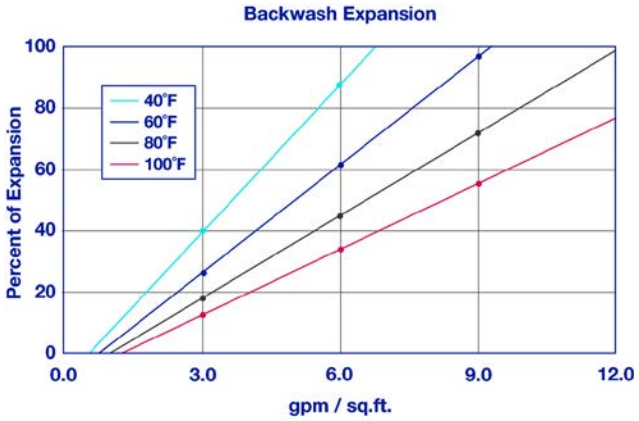
CG8-NH4

Polymer Matrix	Styrene/DVB
Polymer Type	Gel
Ionic Form (as shipped)	Ammonium (NH_4^+)
Functional Group	Sulfonic Acid
Physical Form	Spherical Beads
Particle Size US Mesh (µm)	16 (1190) to 50 (297)
< 50 mesh (300 µm) %	< .5%
Minimum Sphericity (%)	93

Reversible Swelling	5 to 9% ($NH_4 \rightarrow Na$)
Uniformity	Gaussian
Uniformity Coefficient	1.60
Capacity (meq/mL)	1.90
Moisture Retention (%)	42 to 49
Shipping Weight	49 - 51 lbs/cu.ft. (785 - 817 g/L)
Color	Dark Brown to Black
Regenerable	Regenerable

BACKWASH EXPANSION



The graph above shows the expansion characteristics of ResinTech CG8-NH4 as a function of flow rate at various temperatures.

SUGGESTED OPERATING CONDITIONS

Maximum Temperature	280°F (138°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

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)

RESINTECH® INC.
INNOVATIONS IN ION EXCHANGE

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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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