

POLYSTYRENIC GEL 8% CROSSLINKED AMMONIUM FORM

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

APPLICATIONS

• Cation component in ammoniated mixed beds

TYPICAL PROPERTIES & PHYSICAL CHARACTERISTICS	
Polymer Matrix	Styrenic Gel
Ionic Form	Sodium
Functional Group	Sulfonic Acid
Physical Form	Sphelical Beads
Functional Group Physical Form Particle Size % < 50 mesh (300µm) Minimum Sphericity Uniformity Coefficient Reversible Swelling Temp Limit Capacity (meq/mL)	46 to 50 US Mesh (297 - 1990 μm)
% < 50 mesh (300µm)	LE JO NCALS.
Minimum Sphericity	95% MIC
Uniformity Coefficient	1.6
Reversible Swelling	NH_4 to Na 0% to 0%
Temp Limit	280°F (138°C)
Capacity (meq/mL)	2.0
Moisture Retention	42% to 49%
Shipping Weight	49 - 51 lbs/ft³ (785 - 817 g/L)
Color	Dark Brown to Black
Regenerability	Yes

CERTIFICATIONS

Kosher Certified

PACKAGING OPTIONS

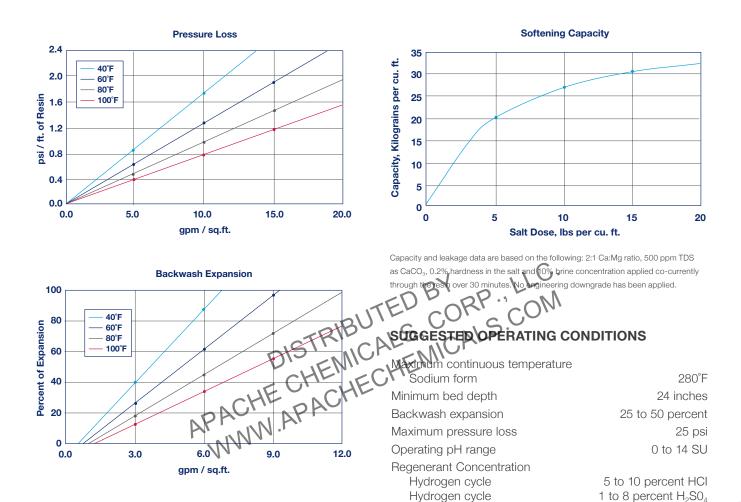
- 500 ml samples
- 1 ft³ bags
- 1 ft³ boxes
- 1 ft³ drums
- 7 ft³ drums
- 42 ft³ supersacks

RESINTECH INC.

Revision 1.1 ResinTech, Inc.®



POLYSTYRENIC GEL 8% CROSSLINKED SODIUM FORM



Salt cycle

Regenerant level

Regenerant flow rate.

Regenerant contact time

Displacement flow rate

Displacement volume

Rinse flow rate

Rinse volume

IRON REMOVAL

CG8 has good capacity for ferrous iron. Iron content in the feedwater should not be more than 1 mg/L Fe per each 17 mg/L of hardness.

AMMONIA REMOVAL

CG8 is slightly selective for ammonia compared to sodium but hardness is much more preferred. Ammonia is not ionized at pH above 9 and is not well removed when the pH is significantly alkaline. Service flow rate 1 to 10 gpm/cu.ft. Note: These guidelines describe average low risk operating conditions. They are not intended to be absolute minimums or maximums.

For operation outside these guidelines, contact ResinTech Technical Support



10 to 15 percent NaCl

0.5 to 1.5 gpm/cu.ft.

Same as dilution water

10 to 15 gallons/cu.ft.

Same as service flow

35 to 60 gallons/cu.ft.

4 to 15 lbs./cu.ft.

>20 minutes

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