

POLYSTYRENIC GEL 8% CROSSLINKED SODIUM FORM

ResinTech CG8 is a strong acid cation resin in sodium form. It is amber in color and made from 8% cross-linked gel. It is a workhorse cation resin optimized for commercial/industrial and residential softening applications that require good regeneration efficiency and oxidative stability. CG8 is intended for use in all commercial and industrial applications including both softening and demineralization.

APPLICATIONS

- Softening Industrial
- Demineralization
- Iron Removal
- Ammonia Removal

TYPICAL PROPERTIES & PHYSICAL CHARACTERISTICS	
Polymer Matrix	Styrenic Gel
Ionic Form	Sodium
Fuctional Group	Sulfonic Acid
Fuctional Group Physical Form Particle Size % < 50 mesh (300µm) Minimum Sphericity Uniformity Coefficient Reversible Swelling Temp Limit Capacity (meq/mL)	Sphelical Beads
Particle Size	46 to 50 US Mesh (297 - 1990 µm)
% < 50 mesh (300µm)	LE DO NCALO.
Minimum Sphericity	250 MIC
Uniformity Coefficient	1.6
Reversible Swelling	Na to H 5% to 9%
Temp Limit	280°F (138°C)
Capacity (meq/mL)	2.0
Moisture Retention	42% to 49%
Shipping Weight	51 - 53 lbs/ft³ (817 - 849 g/L)
Color	Amber
Regenerability	Yes

CERTIFICATIONS

- Kosher Certified
- Halal Certified

PACKAGING OPTIONS

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

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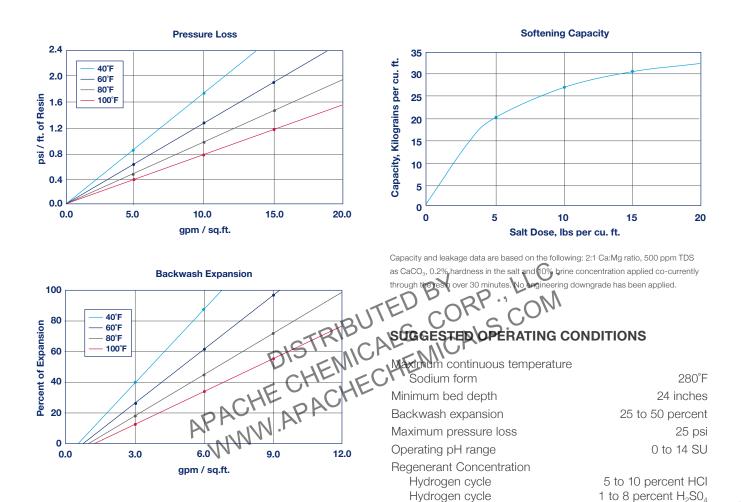
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INNOVA



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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.

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

For operation outside these guidelines, contact ResinTech Technical Support



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