

CNS10-C

Non-solvent strong acid cation resin, styrene/DVB highly crosslinked gel, coarse mesh, sodium form

ResinTech CNS-10-C is a coarse mesh solvent-free premium grade dark colored sodium form highly crosslinked gel strong acid cation resin with high resistance to both thermal and chemical oxidation. It is intended for use in all residential and industrial applications where the importance of durability supersedes efficiency. It is particularly resistant to oxidation by chlorine or chloramines.



FEATURES & BENEFITS

- Residential softening applications
- Low color throw
- Superior physical stability
- Complies with US FDA regulations

APPLICATIONS

- Chlorine Tolerant
- Softening



Solvent-Free
 Meets NSF/ANSI/CAN 44
 Meets NSF/ANSI/CAN 61
 Meets NSF/ANSI/CAN 372

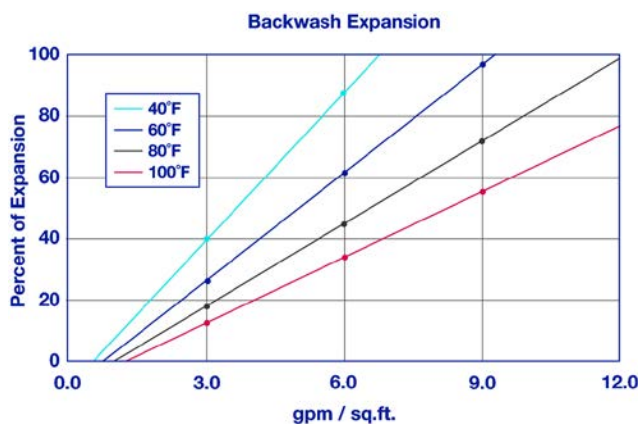
REACH Registered
 Kosher Certified
 Halal Certified

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

CNS10-C

Polymer Matrix	Styrene/DVB	Minimum Sphericity (%)	90
Polymer Type	Gel	Reversible Swelling	5 to 9% (Na → H)
Ionic Form (as shipped)	Sodium (Na ⁺)	Uniformity	Gaussian
Functional Group	Sulfonic Acid	Uniformity Coefficient	1.40
Physical Form	Spherical Beads	Capacity (meq/mL)	2.10
Particle Size US Mesh (µm)	16 (1190) to	Moisture Retention (%)	40 to 47
< 50 mesh (300 µm) %	< 1%	Color	Black
		Regenerable	Regenerable

BACKWASH EXPANSION



The graph above shows the expansion characteristics of ResinTech CNS10-C as a function of flow rate at various temperatures.

SUGGESTED OPERATING CONDITIONS

Maximum Temperature	280°F (138°C)	Operating pH Range	0 to 14
Minimum Bed Depth	24 in. (61.0 cm)	Flow Rate	
Maximum Pressure Loss	25 psi (172 kPa)	Working Service	1-10 gpm/cu.ft. (8-80 BV/h)
Backwash Expansion (%)	25 - 50		

REGENERATION DETAILS

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



PACKAGING**Standard**

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

Metric

140L Drum | 200L 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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