

SOFTENER RESIN SPECIFICATIONS

PRODUCT DATA

ION EXCHANGE RESIN Strong Acid Cation

Grade: IonPlus™ CA-10

Appearance: Light brown spherical beads

Description: Standard cross-linked styrene divinylbenzene strong acid cation resin in bead form. Specially developed to eliminate taste and odor and provide excellent stability. It is primarily used for softening water in municipal and industrial water treatment.

<u>Typical Properties:</u>	Total exchange capacity	2.0 meg/ml min
	Ionic form, supplied	Na
	Water retention	43 - 48%
	Screen size, U.S. Standard	16-40 mesh
	Bulk density	0.78 – 0.88 g/ml

Suggested Operating Conditions:

pH range	0 – 14
Operating temperature, Na	120°C max
Total Swelling (Na → H)	8-10% max
Regenerant concentration	NaCl: 8-10% HCl : 4 – 5%
Flow rate of regenerant	4-6 m/hr
Regenerant contact time	30-60 minutes
Rinse flow rate	10-20 m/hr
Operating flow rate	10-45 m/hr
Free chlorine	1.0 mg/l max

Packing: 1 cubic ft. bags, 25 liter bags, 7 cubic ft. polylined drums

FDA Regulation: Carbochem® CA-10 is in compliance with FDA regulation paragraph 173.25.