



Water Treatment and Reverse Osmosis Systems

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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.

Typical Properties:	Total exchange capacity	2.0 eq/l 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
Re	generant concentration Na	Cl: 8-10%
		HCl: 4 – 5%
Flo	w rate of regenerant 4-6	m/hr
Re	generant contact time 30-6	0 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: IonPlus™ CA-10 is in compliance with FDA regulation paragraph 173.25.