



CARBOCHEM INC.

PRODUCT DATA

ION EXCHANGE RESIN

Strong Acid Cation

<u>Grade:</u>	IonPlus™ CA-10	
<u>Appearance:</u>	Light brown spherical beads	
<u>Description:</u>	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 meq/g 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
<u>Suggested Operating Conditions:</u>	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
<u>Packing:</u>	1 cubic ft. bags, 25 liter bags, 7 cubic ft. polylined drums	
<u>FDA Regulation:</u>	IonPlus™ CA-10 is in compliance with FDA regulation paragraph 173.25.	

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