

# CARBOCHEM INC.

## PRODUCT DATA

**WARRANTY – LIABILITY: Contact CARBOCHEM INC. for details.**

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### ION EXCHANGE RESIN Strong Acid Cation

**Grade:** IonPlus™ CA-12

**Appearance:** Moist spherical beads

**Description:** Highly cross-linked styrene divinylbenzene strong acid cation resin in bead form. It provides longer life when operating under aggressive conditions. It is intended for use in industrial water softening and deionization.

<b><u>Typical Properties:</u></b>	Total exchange capacity	4.4 meq/g min
	Volume exchange capacity	2.2 meq/ml min
	Water retention	37 - 42%
	Screen size, U.S. Standard	16 - 40 mesh
	Bulk density	0.80 – 0.85 g/ml
	Volume exchange capacity	2.2 meq/ml min
	Ionic form, supplied	Na

**Suggested Operating Conditions:**

pH range	1 – 14
Operating temperature, Na	120°C max
Total Swelling (Na → H)	5 – 8% max
Regenerant concentration	HCl: 4 - 5% NaCl: 8 – 10%
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 ppm max

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