

CARBOCHEM INC.

PRODUCT DATA

ION EXCHANGE RESIN Fine Mesh Cation

<u>Grade:</u>	IonPlus™ CA-16	
<u>Appearance:</u>	Light brown spherical beads	
<u>Description:</u>	A fine mesh gel cation resin produced to specific particle size. This resin has improved kinetics compared to normal resins due to higher surface area.	
<u>Typical Properties:</u>	Total exchange capacity	4.4 meq/g min
	Volume Exchange capacity	2.0 meq/ml min
	Ionic form, supplied	Na
	Water retention	43 – 48 %
	Screen size, U.S. Standard	- 30 +70
	Bulk density	0.78 – 0.88 g/ml
<u>Suggested Operating Conditions:</u>	pH range	0 – 14
	Operating temperature	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 - 45 minutes
	Rinse flow rate	10 - 20 m/hr
	Operating flow rate	10 - 45 m/hr
	Free chlorine	1.0 ppm max
<u>Packing:</u>	1 cubic ft. bags, 25 liter bags, 7 cubic ft. polylined drums	
<u>FDA Regulation:</u>	IonPlus™ CA – 16 is in compliance with FDA regulation paragraph 173.25	

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