

IONLITE C-250M

STRONG ACID CATION EXCHANGE RESIN

SODIUM, Na⁺ FORM

IONLITE C-250M is a strong acid, gel type, high crosslinked polystyrene, sodium form, food grade cation resin. Its characteristics are excellent physical, chemical and thermal stability, extremely high exchange capacity and high ion exchange kinetics.

IONLITE C-250M is especially utilized in twin bed or mixed bed process for, municipal and industrial pure water treatment.

IONLITE C-250M is usually use together with IONLITE A-700M for regen mixed bed to produce pure water.

PHYSICAL PROPERTIES		
Polymer Structure		crosslinked polystyrene
Functional Group		sulphonic Acid
Ionic form as shipped		Na ⁺
Structure		gel type
Apperance		light yellow
Total Exchange Capacity	meq/ml	2.0 min (Na ⁺)
Water Retention	%	45 – 50
Solubility		Insoluble in all common solvents
Bulk Density	g/ml	0.77 – 0.87
Effective Size	mm	0.60 – 1.00mm
Uniformity Coefficient	≤	1.5 max
Total Reversible Swelling (Na - H)	%	8 % max
Standard Packing		25 L/bag

SUGGESTED OPERATING CONDITIONS		
Minimum Bed Depth	mm	800
Operating pH Range		1 - 14
Max. Operating Temperature	°C	≤ 100
Standard Operating Flow Rate	BV/hr	15 – 30
Regenerant		HCL
Concentration	%	3 – 4
Regen Flow Rate	m/hr	3 – 5
Contact Time	minute	Min 30
Slow Rinse		2BV @ regen flow rate
Fast Rinse		2 – 4 BV @ service flow rate

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