

IONLITE C-258F

STRONG ACID CATION EXCHANGE RESIN

SODIUM SOFTENING, Na⁺ FORM

IONLITE C-258F is a strong acid, gel type, standard crosslinked polystyrene, sodium form, food grade cation resin which has high operating capacity, excellent chemical and mechanical stability.

IONLITE C-258F is especially utilized in water softening process for household, municipal and industrial water treatment

PHYSICAL PROPERTIES

Polymer Structure		crosslinked polystyrene
Functional Group		sulphonic Acid
Ionic form as shipped		Na ⁺
Structure		gel type
Apperance		brownish yellow
Total Exchange Capacity	meq/ml	1.9 min
Water Retention	%	45 - 50
Solubility		Insoluble in all common solvents
Bulk Density	g/ml	820 +- 5%
Bead Size (≥95%)	mm	0.71 - 1.25mm
Effective Size	mm	0.75 - 0.95
Uniformity Coefficient	≤	1.4 max
Roundness After Wearing	%	90 min
Total Reversible Swelling (Na - H)	%	8 - 10
Standard Packing		In 25 liter per bag

SUGGESTED OPERATING CONDITIONS

Minimum Bed Depth	mm	750
Operating pH Range		1 - 14
Max. Operating Temperature	°C	≤ 120 (Na ⁺) ≤ 100 (H ⁺)
Standard Operating Flow Rate	m/hr	10 - 45
Regenerant		HCL NaCl
Concentration	%	4 - 6 8 - 10
Consumption	regenerant vol. : resin vol.	2 - 3 : 1 1.5 - 2 : 1
Flow Rate	m ³ /hr	4 - 6
Contact Time	minute	approx. 30 - 60
Slow Rinse		
Flow Rate		@ Regen Flow Rate
Volume	BV	1 - 2
Fast Rinse		
Flow Rate		@ Service Flow Rate
Volume	BV	3 - 5
Max Turbidity	NTU	5.0
Max Free Chlorine	ppm	1.0