IONLITE A-658F

STRONG BASE ANION EXCHANGE RESIN, Cl^- FORM

IONLITE A-658F is a strong base, gel type, standard crosslinked polystyrene, chloride form, food grade anion resin which has high operating capacity, excellent chemical and mechanical stability.

IONLITE A-658F is expecially utilized in Demineralization Process for industrial water treatment

PYHSICAL & CHEMICAL PROPERTIES

Polymer Structure		Crosslinked Polystyrene
Functional Group		$-N-(CH_3)_3^+$
Ionic form as shipped		Cl^-
Structure		gel type
Apperance		light yellow
Total Exchange Capacity, Weight	meq/g	min. 1.4
Water Retention	%	42 - 48
Solubility		Insoluble in all common solvents
Bulk Density	g/l	700 +- 5%
Bead Size (≥95%)	mm	0.45 - 1.25
Effective Size	mm	0.50 - 0.75
Uniformity Coefficient		max. 1.6
Roundness After Wearing	%	min. 90
Swelling ($Cl^- \rightarrow OH^-$)	%	≤ 30
Standard Packing		In 25 liter per bag

SUGGESTED OPERATING CONDITIONS

Minimum Bed Depth	mm	750	
Operating pH Range		1 - 14	
Max. Operating Temperature	°C	≤80 (Cl^-)	≤60 (OH^-)
Standard Operating Flow Rate	m/hr	10 - 45	
Regenerant		NaOH	
Concentration	%	3 - 5	
Consumption	regenerant vol. : resin vol.	2 - 3 : 1	
Flow Rate	m/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	0.1	
Max. Iron and Heavy Metals	ppm	0.1	