

ION EXCHANGE FLAT SHEET MEMBRANE

Flat Sheet Membrane for E-COAT

PRODUCTS SPECIFICATION

Technical Specification	AE1 (S)	AE1 (CR)
	Single Sheet	Continuous Roll
Functionality	Strong Base Anion Exchange Membrane	
Polymer Structure	Gel polystyrene cross linked with divinylbenzene	
Functional Group	Quaternary Ammonium	
Ionic Form as Shipped	Chloride	
Color	Light Yellow	
Standard Size : US : Metric	48in x 120in 1.2m x 3.1m	48in x 120ft 1.2m x 37m
Standard Thickness (mils) (mm)	18±1 0.45±0.025	20±1 0.50±0.025
Electrical Resistance (Ohm.cm ²) 0.5 mol/L NaCl	<40	<40
Permselectivity (%) 0.1 mol KCl/kg / 0.5 mol KCl/kg	90	90
Total Exchange Capacity (meq/g)	1.3±0.1	1.3±0.1
Water Permeability (ml/hr/ft ²) @5psi	<3	<10
Mullen Burst Test strength (psi)	>80	>80
Thermal Stability (°C)	90	90
Chemical Stability Range (pH)	1-10	1-10
Preconditioning Procedure	Membranes should be preconditioned by emersion in a 5% NaCl solution at 40°C for 24 hours to allow for membrane hydration and expansion.	

KEY ASPECT MARKETING

(SA0384107-M)

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