



AMI -7001 Anion Exchange Membranes Technical Specifications

Technical Specification	AMI -7001S	AMI -7001CR
	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 salt solution or a solution similar to that of the intended application for several hours to allow for membrane expansion.

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