



Technical Datasheet Standard Ion Exchange Membranes

Typical Membrane Characteristics

<i>Membrane type</i>	<i>Cation PC - SK</i>	<i>Anion PC - SA</i>	<i>Anion PC - SA / HD</i>
Width / mm	up to 500	up to 500	up to 450
Length / mm	up to 1000	up to 1000	up to 1050
Thickness / μm	90 - 130	90 - 130	310 - 350
Ion exchange capacity weak / $\text{meq}\cdot\text{g}^{-1}$ strong / $\text{meq}\cdot\text{g}^{-1}$	ca 1.2	ca 0.4 ca 1.1	ca 0.4 ca 1.1
Area resistance			
Temperature Stability, max / $^{\circ}\text{C}$	60	60	60
Chemical Stability (pH range)	0 - 9	0 - 9	0 - 9
Burst Strenght / bar	4 - 5	4 - 5	ca 10
Permselectivity 0.1 m KCl / 0.5 m KCl	> 0.93	> 0.93	> 0.93
Ionic form as shipped	Na^{+}	Cl^{-}	Cl^{-}

Membrane Handling

Membranes are delivered wet. They must be kept wet and should be immersed in a solution that is typical in composition to the liquid contacting the membrane in the system prior to assembling the stack.

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