

## Heterogeneous ion-exchange membranes, which are used for EDI

With their unique technical function, heterogeneous ion-exchange membranes, which are used for EDI (filling bed electro-dialytic desalinate instrument), syncretize electro-dialytic technique and ion-exchange technique. Preparing purified water, do not need acid-base treatment. Widely used in such areas as semiconductor, generation, entry of industrial boiler water, electronics, pharmaceuticals, biological technology and experimental water. The development and spread of this product promote application of heterogeneous ion-exchange membranes.

Features Dimension			
Thickness	Thickness tolerance	Effective area	
0.40mm	±0.03mm (dry condition)	≥800mm*1600mm	
Main Physical and Chemical characters :			
Test Items	Unit	Specification	
		Cation membranes	Anion membranes
Exchange capacity≥	mol/kg	2.0	1.8
Resistance of membranes surface	Ω.cm <sup>2</sup>	15	20
Degree of dimension change≤	%	5	5
Burst strength≥	MPa	0.6	0.6
Chemistry stability	PH	1 ~ 10	1 ~ 10
Selective penetration≥	%	90	89
Permeability of water≤	ml/h·dm <sup>2</sup>	0.2	0.2
Heat stability≤	°C	40	40