

Processable fluoropolymer

PERFLUOROSULFONIC ACID PROTON EXCHANGE MEMBRANE (PFSAPEM)

Conformable with Q/DYS 013-2007

Perfluorosulfonic Acid Proton Exchange Membrane is a special polymer, mainly for the processing of fuel cell membrane and chlor-alkali ion exchange membrane. The former is for fuel cell ion membrane and as conductive film for many other usage, the later for membrane with ion selectivity of chlor-alkali electrolysis tank.

Quality Specification

Item	Unit	CHFM	CHFM	CHFM	CHFM	CHFM	CHFM	CHFM	CHFM	CHFM
		025	050	075	100	150	175	200	250	300
Appearance		Translucent Membrane								
Group formula		Rf-SO ₂ F			Rf-SO ₃ Na	Rf-SO ₃ H				
Exchange capacity (IEC)	mmol/g	0.8-1.15								
Thickness	μm	25	50	75	100	150	175	200	250	300
Decompose temperature, >	°C	350								
Resin density	g/cm ³	1.98 ± 0.05								

Main Applications

Mainly for ion membrane caustic soda, hydrogen-oxygen fuel cells, electro dialysis, desalination, water electrolysis.

Package, Transportation and Storage

- 1、 Perfluorosulfonic Acid Proton Exchange Membrane is packed in circular paper barrels , Every barrel attached label and quality certificate which indicate trademark, brand, lot No.
- 2、 Perfluorosulfonic Acid Proton Exchange Membrane should be stored in clean and dry places , dust and moisture avoided.
- 3、 The product is transported according to non-dangerous product. Heat, moisture, freezing and strong shock should be avoided during transportation.

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