

## Shandong Dongyue Shenzhou New Material Co CHFM 175 Perfluorosulfonic Acid Proton Exchange Membrane (PFSAPEM)

Category : Polymer , Thermoplastic , Fluoropolymer

### Material Notes:

Conformable with: Q/DYS 013-2007 Perfluorosulfonic Acid Proton Exchange Membrane is a special polymer, mainly used for the processing of fuel cell membrane and chlor-alkali ion exchange membrane. The former is for fuel cell membrane and as conductive film for many other usages, the latter for membrane with ion selectivity of chlor-alkali electrolysis tank. Main Applications: Mainly for ion membrane caustic soda, hydrogen-oxygen fuel cells, electro dialysis, desalination, water electrolysis. Information Provided by Shandong Dongyue Shenzhou New Material Co., Ltd.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Shandong-Dongyue-Shenzhou-New-Material-Co-CHFM-175-Perfluorosulfonic-Acid-Proton-Exchange-Membrane-PFSAPEM.php](http://www.lookpolymers.com/polymer_Shandong-Dongyue-Shenzhou-New-Material-Co-CHFM-175-Perfluorosulfonic-Acid-Proton-Exchange-Membrane-PFSAPEM.php)

Physical Properties	Metric	English	Comments
Density	1.93 - 2.03 g/cc	0.0697 - 0.0733 lb/in <sup>3</sup>	Resin
Thickness	175 microns	6.89 mil	

Thermal Properties	Metric	English	Comments
Decomposition Temperature	>= 350 Â°C	>= 662 Â°F	

Descriptive Properties	Value	Comments
Appearance	Translucent membrane	
Exchange Capacity (IEC) (mmol/g)	0.8-1.15	
Group Formula	Rf-SO <sub>2</sub> F, RF-SO <sub>3</sub> Na, Rf-SO <sub>3</sub> H	

## Contact Songhan Plastic Technology Co.,Ltd.

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