

Shandong Dongyue Shenzhou New Material Co CHFM 050 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-050-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 ³	Resin
Thickness	50.0 microns	1.97 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 ₂ F, RF-SO ₃ Na, Rf-SO ₃ H	

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