

Chemfluor UHMW Polyethylene Flim

Ultra High Molecular Weight Polyethylene

Saint Gobain - Norton

Message:

Chemfluor UHMW Polyethylene Flim is an Ultra High Molecular Weight Polyethylene product. It is available in North America. Applications of Chemfluor UHMW Polyethylene Flim include bags/liners, engineering/industrial parts and food contact applications.

Characteristics include:

- Chemical Resistant
- High ESCR (Stress Crack Resistant)
- Impact Resistant
- Wear Resistant

General Information			
Features	Good Abrasion Resistance		
	Good Chemical Resistance		
	Good Impact Resistance		
	High ESCR (Stress Crack Resist.)		
	Low Friction		
	Self Lubricating		
Uses	Bearings		
	Food Service Applications		
	Liners		
	Wear Strip		
Forms	Film		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.938	g/cm ³	ASTM D792
Water Absorption (24 hr)	0.050	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	66		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	37.9	MPa	ASTM D638
Tensile Elongation (Break)	300	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	135 to 138	°C	
CLTE - Flow	2.0E-4	cm/cm/°C	ASTM D696

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