

Korton PFA

Perfluoroalkoxy
Saint Gobain - Norton

Message:

Korton PFA is a Perfluoroalkoxy (PFA) product. It can be processed by laminating or thermoforming and is available in North America. Applications of Korton PFA include film and wire & cable.

Characteristics include:

- Flame Rated
- Chemical Resistant
- Good Flexibility
- Good Toughness
- Good Weather Resistance

General Information			
Features	Electrically Insulating		
	Good Chemical Resistance		
	Good Flexibility		
	Good Toughness		
	Good Weather Resistance		
	High ESCR (Stress Crack Resist.)		
	High Strength		
	Low Friction		
	Low Gas Permeability		
Uses	Electronic Insulation		
	Film		
Forms	Film		
Processing Method	Laminating		
	Thermoforming		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	2.14	g/cm ³	ASTM D792
Water Absorption (24 hr)	0.010	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Coefficient of Friction (vs. Itself - Static)	0.045		ASTM D1894
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	25	µm	ASTM D882
Tensile Strength - MD			
Yield	13.8	MPa	
Break	27.6	MPa	ASTM D882
Tensile Elongation - MD (Break)	150	%	

Elmendorf Tear Strength - MD	15	g	ASTM D1922
Thermal	Nominal Value	Unit	Test Method
Continuous Use Temperature	218 to 260	°C	ASTM D794
Melting Temperature	302 to 310	°C	
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+15	ohms	ASTM D257
Volume Resistivity	1.0E+16	ohms·cm	ASTM D257
Dielectric Strength	120	kV/mm	ASTM D149
Dielectric Constant (1 kHz)	2.15		ASTM D150
Dissipation Factor (1 kHz)	5.0E-4		ASTM D150
Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-0		UL 94
Optical	Nominal Value	Unit	Test Method
Refractive Index	1.350		ASTM D542
Haze	4.0	%	ASTM D1003

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