

# Korton FEP

Polyvinylidene Fluoride

Saint Gobain - Norton

Message:

Korton FEP is a Polyvinylidene Fluoride (PVDF) product. It can be processed by laminating or thermoforming and is available in North America.

Applications of Korton FEP include electrical/electronic applications, aerospace, bags/liners, coating applications and containers.

Characteristics include:

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

General Information			
Features	Good Chemical Resistance		
	Good Flexibility		
	Good UV Resistance		
	Good Weather Resistance		
	Low Friction		
	Low Gas Permeability		
Uses	Aircraft Applications		
	Computer Components		
	Conveyors		
	Diaphragms		
	Electrical Parts		
	Electronic Insulation		
	Film		
	Liners		
	Printed Circuit Boards		
	Protective Coverings		
	Seals		
	Solar Panels		
	Thermoformed Containers		
Forms	Film		
Processing Method	Laminating		
	Thermoforming		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	2.13	g/cm <sup>3</sup>	ASTM D792
Mechanical	Nominal Value	Unit	Test Method

Coefficient of Friction (vs. Metal - Static)	0.075		ASTM D1894
Films	Nominal Value	Unit	Test Method
Secant Modulus - 1% Secant, MD	483	MPa	ASTM D882
Tensile Strength - MD (Yield)	24.1	MPa	ASTM D882
Tensile Elongation - MD (Break)	300	%	ASTM D882
Thermal	Nominal Value	Unit	Test Method
Continuous Use Temperature	204	°C	ASTM D794
Melting Temperature	274 to 295	°C	
CLTE - Flow	9.9E-5	cm/cm/°C	ASTM D696
Specific Heat	1170	J/kg/°C	ASTM C351
Thermal Conductivity	0.20	W/m/K	ASTM C177
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	0.80	ohms · cm	ASTM D257
Dielectric Strength	240	kV/mm	ASTM D149
Dielectric Constant	2.10		ASTM D150
Dissipation Factor	3.0E-4		ASTM D150
Arc Resistance	300	sec	ASTM D495
Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-0		UL 94
Oxygen Index	95	%	ASTM D2863

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