

Saint-Gobain Norton® T-100 Virgin Skived PTFE Film (0.003" thick)

Category : Polymer , Film , Thermoplastic , Fluoropolymer , PTFE , Polytetrafluoroethylene (PTFE), Molded

Material Notes:

T-100/T-200 Features/Benefits: Outstanding heat and chemical resistance; High dielectric strength; Anti-stick properties; Can be chemically etched for bondability; Applications include laminate release sheets, wire and cable wrap, and industrial gasketing. PTFE = polytetrafluoroethylene

T-100 Skived Sheet and Film: PTFE sheet and film are manufactured from virgin PTFE resins which are molded, sintered, and skived to the appropriate thickness. Both sheet and film are widely used in a number of industries due to the material's outstanding characteristics, including heat and chemical resistance, dielectric strength, and anti-stick properties. Sheet and film may also be chemically etched on one or both sides for bondability.

Virgin Skived Sheet: T-100 is a skived, virgin grade PTFE sheet. It is available in thicknesses ranging from 0.0115" to 0.25", and in widths of 12", 24", 36", and 48". PTFE film is supplied in either sheet or continuous roll form. Slit widths are available in thicknesses ranging from 0.001" to 0.062" and to the exacting tolerances of the wire and cable, and electronics industries. Custom colors are also available.

Types of application include Chemical Process, Electrical/Electronics, Medical, and Protective/Decorative

Specification Notes: T-100 film meets the requirements of MIL-P-22241B, Type II, Grade A and other appropriate AMS and ASTM specifications.

Information provided by Saint Gobain Performance Products.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Saint-Gobain-Norton-T-100-Virgin-Skived-PTFE-Film-0003-thick.php

Physical Properties	Metric	English	Comments
Specific Gravity	2.15 g/cc	2.15 g/cc	ASTM D-792
Water Absorption	<= 0.010 %	<= 0.010 %	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	>= 20.7 MPa	>= 3000 psi	ASTM D-882
Elongation at Break	>= 200 %	>= 200 %	ASTM D-882
Tensile Modulus	0.552 GPa	80.0 ksi	ASTM D-882

Thermal Properties	Metric	English	Comments
CTE, linear	90.0 $\mu\text{m/m-}^{\circ}\text{C}$ @Temperature 20.0 $^{\circ}\text{C}$	50.0 $\mu\text{in/in-}^{\circ}\text{F}$ @Temperature 68.0 $^{\circ}\text{F}$	ASTM D-696
Melting Point	327 $^{\circ}\text{C}$	620 $^{\circ}\text{F}$	ASTM D-3418
Maximum Service Temperature, Air	260 $^{\circ}\text{C}$	500 $^{\circ}\text{F}$	UL-746 B
Flammability, UL94	V-0	V-0	

Electrical Properties	Metric	English	Comments
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Electrical Properties	Metric	English	Comments
	@Frequency 1000 Hz	@Frequency 1000 Hz	
Dielectric Strength	102 kV/mm	2600 kV/in	ASTM D-149
Dissipation Factor	<= 0.00020	<= 0.00020	ASTM D-150
	@Frequency 1000 Hz	@Frequency 1000 Hz	

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