

# PTFE Sheet and Film

T-100 Virgin and T-200 Mechanical Grade Products



## 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

## 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 either in 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, please consult factory.

## T-200 Mechanical Grade Sheet

T-200 is a mechanical grade PTFE sheet manufactured from reground PTFE. It is available in thicknesses ranging from 0.015" to 0.250" and standard widths of 12", 24", 36", 48" and 60". T-200 is supplied in either sheet or continuous roll form. This sheet is a cost-effective alternative to virgin grade and is ideal for use as a gasket and bearing surface or whenever virgin grade PTFE is not required. Mechanical grade sheet may also be etched on one or both sides for bondability. Other thicknesses available upon request, please consult factory.

## PTFE Sheet and Film— T-100 Virgin and T-200 Mechanical Grade Products

### T-100 Virgin Skived Film

<b>Thickness</b>	inches	.001	.002	.003	.005	.006	.010
<b>Tolerance</b>	+/- inches	.0001	.0003	.0003	.0003	.0003	.0005
<b>Tensile Strength</b>	Minimum psi	3000	3000	3000	3500	3500	4000
<b>Elongation</b>	% Minimum	200	200	200	300	300	300
<b>Dielectric Strength</b>	VPM	3000	3000	2600	2000	2000	1700

Other thicknesses available upon request. T-100 film meets the requirements of MIL-P-22241B, Type II, Grade A and other appropriate AMS and ASTM specifications.

### T-100 Virgin Skived Sheets

<b>Thickness</b>	inches	.015	.031	.062	.125	.188	.250
<b>Tolerance</b>	+/- inches	.001	.0015	.005	.007	.009	.010
<b>Tensile Strength</b>	Minimum psi	4000	4000	4000	3500	3500	3500
<b>Elongation</b>	% Minimum	300	300	300	300	300	300
<b>Dielectric Strength</b>	VPM	1500	1200	700	—	—	—
<b>Weight</b>	lbs/ft <sup>2</sup>	.18	.38	.76	1.53	2.30	3.00

Other thicknesses available upon request. T-100 film meets the requirements of MIL-P-22241B, Type II, Grade B and other appropriate AMS and ASTM specifications.

### T-200 Mechanical Grade Sheets

<b>Thickness</b>	inches	.015	.031	.062	.125	.188	.250
<b>Tolerance</b>	+/- inches	.001	.002	.005	.007	.010	.010
<b>Tensile Strength</b>	Minimum psi	2400	1900	1600	1500	1500	1500
<b>Elongation</b>	% Minimum	175	150	125	100	100	200
<b>Weight</b>	lbs/ft <sup>2</sup>	.18	.38	.76	1.53	2.30	3.00

Other thicknesses available upon request. T-200 sheet meets the physical requirements of AMS 3651C.

*Important Note to Purchaser: Values shown are typical and are not to be used for specifications.*

*All data is subject to change without notice. Before using, the user should determine the suitability of the product for its intended use, and the user assumes all risk and liability in connection therewith. Specifications subject to change without notice.*



Distributed by:



**Piedmont Plastics**<sup>®</sup>  
where solutions take shape

Toll Free: 1.800.277.7898

www.piedmontplastics.com

**Limited Warranty:** For a period of 6 months from the date of first sale, Saint-Gobain Performance Plastics Corporation warrants this product(s) to be free from defects in manufacturing. Our only obligation will be to provide replacement product for any portion proving defective, or at our option, to refund the purchase price thereof. User assumes all other risks, if any, including the risk of injury, loss or damage, whether direct or consequential, arising out of the use, misuse, or inability to use this product(s). SAINT-GOBAIN PERFORMANCE PLASTICS DISCLAIMS ANY AND ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.



**NOTE:** Saint-Gobain Performance Plastics Corporation does not assume any responsibility or liability for any advice furnished by it, or for the performance or results of any installation or use of the product(s) or of any final product into which the product(s) may be incorporated by the purchaser and/or user. The purchaser and/or user should perform its own tests to determine the suitability and fitness of the product(s) for the particular purpose desired in any given situation.