

# PTFE Tapes and Films

*Custom solutions for critical applications*



Technetics PTFE & Polymer Solutions is a leader in the development, production and delivery of standard and custom PTFE tapes & films solutions. If your application calls for a custom product, we can use our extensive knowledge of PTFE compounds, along with proprietary techniques for compounding and particle modification, to create a solution that meets your exact physical, thermal and practical requirements.

## HIGH-PERFORMANCE SOLUTIONS

The extruded PTFE products we develop for your application might be customized in all kinds of ways:

- Lengths designed to optimize your productivity
- Thicknesses developed for special needs
- Colors added for product identification, visibility or branding
- Formulations developed to boost performance
- Properties modified to fit your process
- Packaging customized to enhance your efficiency

## APPLICATIONS

- Aerospace (power cables & wiring)
- Industrial (hose insulation & liners, expansion joints)
- Military
- Electronics
- Chemical Processing
- Food Processing
- Pulp & Paper
- Telecommunications

## MEETING CRITICAL REQUIREMENTS

- ASTM
- Military Specifications
- ISO 9001:2008 Certified
- SAE Aerospace Specifications

## BLENDING TECHNOLOGIES

Our blending technologies allow for the creation of the most homogenous PTFE blends in the industry. This is readily apparent by how evenly pigment is distributed throughout our color tapes (compared to ordinary tapes), and you can count on the same level of consistency no matter what fillers or additives the application might require. The raw PTFE resin used is always of the highest quality.



**TECHNETICS PTFE &  
POLYMER SOLUTIONS**  
EnPro Industries companies

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**Technetics**  
GROUP

EnPro Industries companies

## CONFIGURATIONS

- Electrical grade
- Mechanical grade
- Skived
- Unsintered
- Sintered
- Conductive
- RoHS Compliant
- Low Density
- White, natural or colors
- Laser printable
- Lengths up to 3,000 yards splice free
- Thickness from .0015" to .025"
- Custom slit to desired widths



## TYPICAL PROPERTIES OF PTFE TAPES

Type	Unsintered	Low Density	Skived
Density	1.6 g/cc	0.7 g/cc	2.15 g/cc
Machine Direction Tensile Strength	2,500 psi min (2mil thick)	4,000 psi min (3mil thick)	4,000 psi min
Machine Direction Elongation	75% min	75% min	300% min
Thickness Range	1.5 – 25.0 mil	3.0 – 10.0 mil	1.0 – 10.0 mil
Width Range	1/4" – 6"	1/4" – 6"	1/4" – 6"
Length Range	Varies by tape thickness, width, and put-up	Varies by tape thickness, width, and put-up	Varies by tape thickness, width, and put-up
Available Colors	White, Clear, Standard and Custom colors	Natural	Natural
Laser Printable	Yes	No	No
Typical Packaging	3" ID core; Traverse/Level up to 5/8"; Pad 5/8" and up; Step Pack; custom	3" ID core; Traverse/Level up to 5/8"; Pad 5/8" and up; Step Pack; custom	3" ID core; Traverse/Level up to 5/8"; Pad 5/8" and up; Step Pack; custom