

Conductive

UNSINTERED TAPES

Technetics PTFE & Polymer Solutions is a leader in the development, production and delivery of standard and custom PTFE tape & film solutions. Whether you are looking for a standard or custom product, we offer 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.



CONFIGURATIONS

- Black
- Custom formulations to achieve desired properties can be developed
- 1,000 yds (914m) (min) splice-free
- 0.0025" (0.064mm) and 0.0030" (0.076mm) thick
 - Other thickness available upon request
- Custom slit to widths from 5/32" (4mm) up to 7-7/8" (200mm)
- Packaging/winding
 - 3" (76mm) ID plastic or cardboard cores
 - Traverse/Level: up to 3/4" (19.1mm) wide
 - Step-pack/Index: up to 5/8" (15.9mm) wide
 - Pancake/flat pads: from 1/4" wide (6.4mm) and above

APPLICATIONS

- Wire & Cable
- Hose Lining

MEETING CRITICAL REQUIREMENTS

- High temperature operation
- RoHS/REACH compliant

TYPICAL PROPERTIES OF UNSINTERED CONDUCTIVE PTFE TAPES

Property / Thickness		0.0020" (0.051mm)	0.0025" (0.064mm)	0.0030" (0.076mm)
Density (typical)		1.5 g/cm ³		
Resistivity (estimated)		10 ⁸ Ω·m		
Tensile Strength (Machine Direction)	Typical	2,600 psi (17.9 MPa)	2,300 psi (15.9 MPa)	2,000 psi (13.8 MPa)
Elongation (Machine Direction)	Typical	100%		
Dielectric Strength (Breakdown Voltage)	Typical	250 V/mil (9.8 kV/mm)	200 V/mil (7.9 kV/mm)	167 V/mil (6.5 kV/mm)
Approximate Yield		64.1 ft ² /lb	51.5 ft ² /lb	42.9 ft ² /lb