Skived

SINTERED 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.

HIGH-PERFORMANCE SOLUTIONS

- Ideal for wide range of critical applications
- Solutions ranging for general purpose use to high performance requirements
- General purpose/economical grades meet ASTM D3308 Type II, AMS3652 and AMS3662 requirements
- Premium grades meet ASTM D3308 Type I, AMS3661 and AS22759 requirements

APPLICATIONS

- Wire and cable insulation
- Hose lining
- Medical equipment
- Gaskets

MEETING CRITICAL REQUIREMENTS

- High temperature operation
- Anti-stick and low friction
- Excellent chemical resistance, mechanical and electrical performance
- Meet ASTM D3308, AMS 3562, AMS 3661, AMS 3662 and AS22759
- RoHS/REACH compliant

TECHNETICS GROUP
EnPro Industries companies

10633 W. Little York, Bldg 3, Suite 300
Houston, TX 77041 USA

Phone: +1-713.983.4201

ptfe@technetics.com
techneticsptfe.com

CONFIGURATIONS

- Clear/Natural
  - Pigmented or filled materials can be developed
- General purpose or premium
- Virgin or modified
- Etched surfaces optional
- 1,500yds (min) splice-free
- Thickness from 0.0010" (0.025mm)
- Custom slit to widths from 5/32" (4mm) up to 24" (610mm)
- Packaging/winding
  - 3" ID plastic or cardboard cores
    - Wide films can be wound on 6" ID 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" (6.4mm) wide and above

TYPICAL PROPERTIES OF GENERAL PURPOSE SKIVED PTFE TAPES

Property / Thickness		0.0010" (0.025mm)	0.0020" (0.051mm)	0.0030" (0.076mm)
Density (typical)		2.17 g/cm³		
Tensile Strength (Machine Direction)	Min	2,800 psi (19.3 MPa)		
Elongation (Machine Direction)	Min	200%		

TYPICAL PROPERTIES OF PREMIUM SKIVED PTFE TAPES

Property / Thickness		0.0010" (0.025mm)	0.0020" (0.051mm)	0.0030" (0.076mm)
Density (typical)		2.17 g/cm³		
Tensile Strength (Machine Direction)	Min	4,000 psi (27.8 MPa)		
Elongation (Machine Direction)	Min	300%		
Dielectric Strength (breakdown voltage)	Typical	4,500 V/mil (177 kV/mm)	3,700 V/mil (146 kV/mm)	3,000 V/mil (118 kV/mm)
	ASTM D3308, Type I (min)	4,472 V/mil (176 kV/mm)	3,162 V/mil (124 kV/mm)	2,582 V/mil (102 kV/mm)
	AS22759 (min)	2,700 V/mil (106 kV/mm)		

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