

Sintered Extruded PTFE Films

E124 Sintered Extruded PTFE Film is a high modulus PTFE film manufactured by extrusion and sintering processes. The physical properties of sintered extruded PTFE film exceed the physical properties of skived PTFE films.



FEATURES AND BENEFITS:

- High dielectric strength
- High chemical resistance
- Low moisture absorption
- Resistance to permeability
- High temperature insulation
- High modulus
- Operating temperature range -100°F (-73°C) to +500°F (260°C)

AVAILABILITY:

- Available in natural as a standard product and in white and colors with minimum order requirements
- Supplied on industry standard 3" (76 mm) ID cores
- Approximate full width is 9" (229 mm)
- Slit widths are available at 0.10" (2.5 mm) and wider
- Customized solutions available

TYPICAL APPLICATIONS:

- High temperature wire and cable
- Coil winding
- Gaskets
- Diaphragms



MATRIX PRECISION CONVERTING

Your Application. Our Expertise.

Matrix specializes in precision cutting and converting of engineered materials to meet the exact specifications required by manufacturers. Our state-of-the-art equipment and expertise ensure precise customization, providing manufacturers with streamlined solutions to enhance their product quality and performance.



SINTERED EXTRUDED PTFE FILMS: E124

TYPICAL PROPERTIES

Property	2.0 mil	3.0 mil	4.0 mil	5.0 mil	10.0 mil	Unit
Thickness (metric)	0.051	0.076	0.102	0.127	0.254	mm
Density	2.17	2.17	2.17	2.17	2.17	g/cm ³
Tensile Strength (minimum)	5,500	6,000	7,500	6,000	5,500	psi
	38	41	52	41	38	MPa
Elongation (minimum)	150	250	300	300	300	%
Dielectric Strength	6,000	8,000	9,000	11,000	15,000	total Volts
Approximate Yield	43.5	29.0	21.7	17.4	8.7	ft ² /lb
	8.9	5.9	4.4	3.6	1.8	m ² /kg

The values presented are typical values and should not be used for specification purposes. Contact your **Saint-Gobain**[®] Tape Solutions representative for more information.