

EXTRUDED PTFE FILMS

A GRADE

A EXTRUDED PTFE FILM is manufactured by **Saint-Gobain®** Performance Plastics Corporation, Tape Solutions business, and is intended to meet the most demanding requirements of the aerospace industry and high performing electronics applications. The **Saint-Gobain** extrusion process provides the longest splice free/joint free lengths and highest uniform physical properties supporting the highest requirements of the wire and cable in extreme environmental conditions. **Norgard®** A Extruded Film is manufactured with ASTM D4895 compliant resins.

**Previously known as*

FLUOROWRAP® A EXTRUDED PTFE FILM



FEATURES AND BENEFITS

- High dielectric strength
- Outstanding thermal and chemical resistance
- Meets MIL-W-16878/4A, 7139B, MIL-W-22759B and NAS703
- Tight thickness tolerance
- High tensile strengths that support faster tape wrapping speeds

AVAILABILITY

- Colors: Available in natural, white and colors
- Available on industry standard 3" (76 mm) ID cores in flat pad, traverse wound and StablEdge™ packages.
- Slit widths are available at 0.10" (2.5 mm) or wider

APPLICATIONS

- Wire and cable insulation for extreme chemical and thermal environments
- Power cable
- Coaxial cable
- Thermocouple wire

TYPICAL PROPERTIES

Thickness	2.5 mil	3.0 mil	4.0 mil	5.0 mil	Unit
Thickness (metric)	0.064	0.076	0.101	0.127	mm
Thickness Tolerance	± 0.15	± 0.15	± 0.20	± 0.20	mil
	± 0.004	± 0.004	± 0.005	± 0.005	mm
Density	1.6	1.6	1.6	1.6	g/cm ³
Density Tolerance	± 0.5	± 0.5	± 0.5	± 0.5	g/cm ³
Tensile Strength MD (minimum)	3,100	3,000	2,700	2,400	psi
	21.4	20.7	18.6	16.5	MPa
Tensile Strength TD (minimum)	250	260	275	300	psi
	1.7	1.8	1.9	2.1	MPa
Elongation (minimum)	75	75	80	80	%
Joint Free Lengths	1,500	1,200	950	750	LY
	1,371	1,096	868	685	M

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

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