

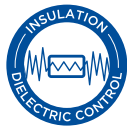
## EXTRUDED PTFE FILMS

# A GRADE

**A EXTRUDED PTFE FILM** is engineered 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

\*Pictures shown are for illustration purpose only.

**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 <sup>3</sup>
Density Tolerance	± 0.5	± 0.5	± 0.5	± 0.5	g/cm <sup>3</sup>
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.

**IMPORTANT:** It is the user's responsibility to ensure the suitability and safety of Saint-Gobain products for all intended uses and that the materials to be used comply with all applicable regulatory requirements. Saint-Gobain assumes no responsibility for any product failures that occur due to misuse of the materials it provides arising out of the design, fabrication or application of the products into which the materials are incorporated.

**WARRANTY:** For a period of 6 months, Saint-Gobain warrants this product(s) to be free from defects in manufacturing. The only obligation under any applicable product warranty will be to replace any portion proving defective, or at our option, to refund the purchase price thereof. SAINT-GOBAIN DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

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