

EXPANDED PTFE FILMS

E7 (0.7G/CM³)

E7 (0.7G/CM³) Expanded PTFE Film is engineered to meet the most demanding requirements for the coaxial cable industry. The **Saint-Gobain**[®] extrusion process provides the longest splice free/joint free lengths and highest uniform physical properties supporting low loss high frequency coaxial cables. **Norgard**[™] E7 Film is manufactured with ASTM D4895 compliant resins.

**Previously known as*

FLUOROWRAP[®] E7 EXPANDED PTFE FILM



FEATURES AND BENEFITS

- Low signal loss in coaxial cables
- Long joint free lengths
- Tight thickness tolerance
- Uniform physical properties
- High tensile strength

AVAILABILITY

- 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) and wider
- Customized solutions available

APPLICATIONS

- Coaxial cables

*Pictures shown are for illustration purpose only.

TYPICAL PROPERTIES

Thickness	2.0 mil	4.0 mil	5.0 mil	10.0 mil	Unit
Thickness (metric)	0.051	0.101	0.127	0.254	mm
Thickness Tolerance	± 0.2	± 0.2	± 0.2	± 0.3	mil
	± 0.005	± 0.005	± 0.005	± 0.008	mm
Density	0.7	0.7	0.7	0.7	g/cm ³
Density Tolerance	± 0.05	± 0.05	± 0.05	± 0.05	g/cm ³
Tensile Strength MD (minimum)	4,000	3,500	3,000	2,500	psi
	28	25	20	17	MPa
Tensile Strength TD (minimum)	100	110	135	165	psi
	0.7	0.8	0.9	1.1	MPa
Elongation (minimum)	70	75	90	90	%
Joint Free Lengths	1,700	1,100	900	750	LY
	1,500	1,000	820	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.

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