

## EXPANDED PTFE FILMS

# E7 (0.7G/CM<sup>3</sup>)

**E7 (0.7G/CM<sup>3</sup>)** Expanded PTFE Film is manufactured by **Saint-Gobain**® Performance Plastics Corporation, Tape Solutions business, and is intended 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	± 0.3	± 0.3	± 0.3	± 0.5	mil
	± 0.008	± 0.008	± 0.008	± 0.013	mm
Density	0.7	0.7	0.7	0.7	g/cm <sup>3</sup>
Density Tolerance	± 0.05	± 0.05	± 0.05	± 0.05	g/cm <sup>3</sup>
Tensile Strength MD (minimum)	3,500	3,400	2,500	2,000	psi
	24	23	17	13.8	MPa
Tensile Strength TD (minimum)	75	100	100	125	psi
	0.5	0.7	0.7	0.86	MPa
Elongation (minimum)	50	60	70	75	%
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.

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