



FLUOROWRAP®

E5

Engineered for High Performance Insulation

Expanded PTFE Film

FLUOROWRAP® E5 (0.5g/cm³) Expanded PTFE Film is engineered to meet the most demanding requirements for the coaxial cable industry. Saint-Gobain's extrusion process provides the longest splice free/joint free lengths and highest uniform physical properties supporting low loss high frequency coaxial cables. FLUOROWRAP® E5 Film is manufactured with ASTM D4895 compliant resins.

Features/Benefits

- Low signal loss in coaxial cables
- Long joint free lengths
- Tight thickness tolerance
- Physical property uniformity
- High tensile strength
- RoHS and REACH compliant

Availability

FLUOROWRAP® E5 Expanded PTFE Film is 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



FLUOROWRAP® E5 Properties

Performance tests are run using standard test procedures.
The values presented are typical values and should not be used for specification purposes.

Property	English Units	Metric Units	English Units	Metric Units	English Units	Metric Units	English Units	Metric Units
Thickness	2.0 mil	0.064 mm	4.0 mil	0.101 mm	5.0 mil	0.127 mm	10.0 mil	0.254 mm
Tolerance	+/- 0.2 mil	+/- 0.001 mm	+/- 0.2 mil	+/- 0.001 mm	+/- 0.2 mil	+/- 0.001 mm	+/- 0.3 mil	+/- 0.008 mm
Density	0.5 g/cm ³							
Tolerance	+/- 0.05 g/cm ³							
Tensile Strength MD (minimum)	3,500 psi	25 MPa	3,000 psi	20 MPa	3,000 psi	20 MPa	2,500 psi	17 MPa
Tensile Strength TD (minimum)	80 psi	0.6 MPa	100 psi	0.7 MPa	125 psi	0.9 MPa	150 psi	1.0 MPa
Elongation MD (minimum)	65 %		70 %		80 %		80 %	
Joint Free Lengths	1,700 LY	1,550 M	1,100 LY	1,000 M	900 LY	820 M	750 LY	685 M

FLUOROWRAP® and StablEdge™ are registered trademarks.



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