



6 & 10 Mil FR String Reinforced



PRODUCT DESCRIPTION

6 & 10 Mil FR String Reinforced consist of two sheets of highstrength fire-retardant virgin film laminated together with a third layer of molten polyethylene. A heavy-duty scrim reinforcement placed between these plies greatly enhances tear resistance and increases service life. 6 & 10 Mil FR String Reinforced's fire-retardant films meet or exceed NFPA's 701 test, method 2 (Large Scale Requirements).

APPLICATIONS

- ▶ Construction Enclosures
- ▶ Asbestos Abatements
- ▶ Fumigation Covers
- ▶ Temporary Walls
- ▶ Curtains
- ▶ Job Site Coverings

PRODUCT USE

6 & 10 Mil FR String Reinforced are used in applications that require a fire-retardant material, and demand high puncture and tear strengths.

SIZE AND PACKAGING

6 & 10 Mil FR String Reinforced are available in a variety of widths and lengths. Large pre-fabricated panel sizes up to 100,000 square feet are available. All panels are accordion folded and tightly rolled on a heavy-duty core for ease of handling and time saving installation.



FR String Reinforced

SPECIFICATIONS

PROPERTIES	TEST METHOD	6 Mil		10 Mil	
		IMPERIAL	METRIC	IMPERIAL	METRIC
Appearance		Translucent, White Color		Translucent, White Color	
Thickness/Nominal		6 mil	0.15 mm	10 mil	0.25 mm
Weight		18.5 lbs/MSF 2.7 oz./yd ²	90 g/m ²	40.5 lbs/MSF 5.8 oz./yd ²	198 g/m ²
Construction		Extrusion laminated with scrim reinforcement			
² 1" Tensile Strength	ASTM D7003	45 lbf/in	79 N/cm	57 lbf/in	100 N/cm
² Elongation at film Break	ASTM D7003	400 %	400 %	500 %	500 %
² Grab Tensile	ASTM D7004	55 lbf	245 N	75 lbf	334 N
¹ Trapezoid Tear	ASTM D4533	30 lbf	133 N	44 lbf	196 N
Mullen Burst	ASTM D751	38 psi	262 kPa	75 psi	517 kPa
Maximum Static Use Temperature		180° F	82° C	180° F	82° C
Minimum Static Use Temperature		-70° F	-57° C	-70° F	-57° C
WVTR	ASTM E96 Procedure B	0.587 grains/(100in ² -day)	0.590 g/(m ² -day)	0.214 grains/(100in ² -day)	0.202 g/(m ² -day)
Perm Rating	ASTM E96 Procedure B	0.086 Perms grains/(ft ² -hr-in Hg)	0.057 Perms g/(24hr-m ² -mm Hg)	0.031 Perms grains/(ft ² -hr-in Hg)	0.021 Perms g/(24hr-m ² -mm Hg)
Burning Characteristics Flame Spread Index Smoked Developed Value	ASTM E84 Procedure A	5 20		5 55	

¹ Tests are an average of diagonal directions.

² Tests are an average of primary reinforcement directions.

MEETS OR EXCEEDS THE FOLLOWING FIRE TESTING:

1. National Fire Protection Association (NFPA) 701, Test Method 2 (Large Scale)
2. Class "A" Wall & Ceiling Finish Category as given in the National Fire Protection Association Life Safety Code 101, "Interior Wall and Ceiling Finish Classification" (ASTM E-84-97a).

NOTE: The information provided herein is based upon data believed to be reliable. All testing is performed in accordance with ASTM standards and procedures. All values are typical and nominal and do not represent either minimum or maximum performance of the product. Although the information is accurate to the best of our knowledge and belief, no representation of warranty or guarantee is made as to the suitability or completeness of such information. Likewise, no representation of warranty or guarantee, express or implied, or merchantability, fitness or otherwise, is made as to product application for a particular use.

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