

# 6 mil Fire Retardant Poly

Fire Retardant String Reinforced Polyethylene Sheeting



## PRODUCT

FR Reinforced Poly (12'x100').....	DS2FR12
FR Reinforced Poly (20'x100').....	DS2FR20

## PART NUMBER

## APPLICATIONS

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

## PRODUCT DESCRIPTION

6 mil Fire Retardant Poly consist of two sheets of high-strength 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 mil Fire Retardant Poly meet or exceed NFPA's 701 test, method 2 (Large Scale Requirements).

## PRODUCT USE

6 mil Fire Retardant Poly is used in applications that require a fire-retardant material, and demand high puncture and tear strengths.

## SIZE & PACKAGING

6 mil Fire Retardant Poly is available in a variety of widths and lengths. Panel sizes up to 40,000 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.

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		6 mil Fire Retardant Poly	
PROPERTIES	TEST METHOD	IMPERIAL	METRIC
Appearance		Translucent, White Color	
Thickness, nominal		6 mil	0.15 mm
Weight		20 lbs/MSF 2.8 oz./yd <sup>2</sup>	98 g/m <sup>2</sup>
Construction		Extrusion laminated with scrim reinforcement	
1" Tensile Strength	ASTM D7003	45 lbf/in	200 N/cm
Elongation at Film Break	ASTM D7003	400 %	400 %
Grab Tensile	ASTM D7004	60 lbf	267 N
*Trapezoid Tear	ASTM D4533	35 lbf	156 N
Hydrostatic resistance	ASTM D751	32 psi	220 kPa
Mullen Burst	ASTM D751	50 psi	345 kPa
Maximum Use Temp.		180°F	82°C
Minimum Use Temp.		-70°F	-57°C
WVTR	ASTM E96 Procedure B	0.587 grains/(100in <sup>2</sup> •day)	0.590 g/(m <sup>2</sup> •day)
Perm Rating	ASTM E96 Procedure B	0.086 Perms grains/(ft <sup>2</sup> •hr•in Hg)	0.057 Perms g/(24hr•m <sup>2</sup> •mm Hg)
Burning characteristics flame spread index smoked	ASTM E84 Procedure A	5 20	

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).

\*Tests are an average of diagonal directions.

6 mil fire retardant poly is fire-retardant four-layer reinforced extrusion laminates. The outer layers consist of a high quality polyethylene film with a high concentration of fire-retardant additives.

6 mil fire retardant poly is reinforced with a heavy duty scrim laid in a diagonal pattern spaced 3/8" apart with an additional machine direction scrim every 9" across the width. The individual plies are laminated together with molten polyethylene. 6 mil fire retardant poly are designed to meet the stringent requirements of the Boston Fire Department for Temporary Enclosures.

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.



**PROTECTION FROM THE GROUND UP**

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