



Technical  
**DATA**

## **POLYFLEX<sup>®</sup> FR100**

Single Coated Polyethylene Tape - Fire Retardant - 8 mils

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### **DESCRIPTION**

Polyflex Plus FR100 is an 8 mils conformable , polyethylene film tape, coated with a synthetic rubber pressure sensitive adhesive and designed to meet the fire test requirements of NFPA 701 standard and ASTM E84 for improved fire retardancy.

### **APPLICATIONS**

- Temporary masking and sealing in safety critical environments
- Hanging, sealing, seaming and patching of Polyethylene sheeting and heavy duty tarpaulins
- Protection of a range of materials and surfaces
- Multi purpose sealing, bonding and repair within disaster recovery applications
- General masking applications where fire safety and identification is a concern

### **PRODUCT BENEFITS**

- Provides a high visibility approved product for FR applications, with unique red stripe appearance allowing ease of identification on site
- Aggressive adhesive for superior bonding to a range of substrates
- Strong and durable for heavy duty protection
- Premium rubber based adhesive formulation allows for clean and easy removal after temporary use
- Bonds well to different surfaces over a wide temperature range
- Available with a straight or serrated edge option for easier tear or straight line application
- Excellent strength but flexible for application around awkward shaped objects and angles
- Provides a water tight seal and resistance against humidity, over a range of weather conditions

**Caution:**

As a consumer of our FR100 tape, we would like to make you aware that our unique color and stripe appearance is created using a special manufacturing process. This means the appearance of the tape can vary resulting in either a darker black product with red stripes or a predominantly red product with some black stripes. The number of stripes and their thickness is also subject to variation. This is all part of our internal process and does not affect the properties of the product in any way. This distinctive look is what makes every roll of FR100 identifiable as a fire retardant version of our standard Polyflex PE tapes

**Accreditation:**

Meets the National Fire Protection Association (NFPA) standard 701 fire test  
Conforms to ASTM E 84 fire retardancy building materials test  
Tested to meet the French flame spread test, for fire retardancy, M1

**TECHNICAL PROPERTIES**

Technical Property	Nominal Value	Unit	Test Method
Total Thickness	8.0 (0.20)	Mils (mm)	-
Adhesive Thickness	5 (0.127)	Mils (mm)	-
Backing Adhesion (PSTC 101 Mod.) Initial to Backing Substrate (20 in @RT)	35 (9.73)	Oz/Inch (N/25mm)	-
Peel Adhesion – (PSTC 101 Mod.) Initial to S.S. (20 min. @ RT) Liner	75 (20.85)	Oz/Inch (N/25mm)	-
Elongation	115	%	ASTM D 1000
Tensile Strength	22 (97.88)	lbs. / inch (N/25mm)	ASTM D 1000
Operating Temperature Range	32 to 160 *0 to 70)	°F (°C)	-

**STANDARD PRESENTATIONS**

- Branding: Scapa / MIC Core only
- Colours: Black and red random stripe appearance only
- Tape Widths: 48,72,96mm
- Roll Length: 55m

**RECOMMENDATIONS**

Application to Surface: Unwind adhesive film or tape and apply the adhesive side to the mounting surface. Apply firm pressure. Recommended application temperature to achieve best results is 65°F (18°C) or above. Proper bonding may not occur unless adhesive and surface material are both at 65°F (18°C) or above.

NOTE: 1. When applying pressure sensitive adhesive films to any surface, be sure that the surface is free from oil or other surface contaminants such as powder, dust, or release agents. Adhesive performance should be carefully checked when used on substrates containing plasticizers.

2. Shelf life is one year from date of shipment when stored in a cool dry place below 76°F (24°C). Rolls should be stored on end.

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