



### ■ Description

Griffolyn® Type-55 FR is a 3-ply laminate combining two layers of fire retardant low density polyethylene and a high-strength cord grid. It is specifically engineered to provide high strength and durability in a lightweight material.

### ■ Features and Benefits

- Fire Retardant to meet safety requirements in critical equipment and material areas
- Multiple layers & cord reinforcement resist punctures & tears
- Cold-Crack resistance eliminates failures in cold temperatures
- Low Permeability greatly inhibits moisture transmission
- Flexibility & light weight allow easy handling & quick installation
- Custom Fabrication is available to meet your specifications
- High Durability allows for significant savings through reuse and fewer replacements

### ■ Suggested Applications

- Temporary walls, building enclosures and containment tents
- Shipping container covers and liners
- Floor covers, dust partitions & clean room enclosures
- Bags and tubing (printing available)
- Industrial packaging
- Custom covers
- Architectural vapor retarder in walls, ceilings and roofing systems

### ■ Physical Properties & Typical Values

PROPERTY	ASTM TEST METHOD	U.S. VALUE	METRIC VALUE
Weight	D-3776	33 Lb/1000 Ft <sup>2</sup>	16 Kg/100 m <sup>2</sup>
Thickness	D-2103	6.0 Mil	0.15 mm
3" Load @ Yield	D-882	95 LBF	423 N
3" Load @ Break	D-882	34 LBF	151 N
		1900 psi	13 Mpa
3" Elongation @ Break	D-882	200 %	200 %
Tongue Tear	D-2261	10 LBF	45 N
Trapezoidal Tear	D-4533	32 LBF	142 N
PPT Resistance	D-2582	19 LBF	85 N
Dart Impact Strength	D-1709	0.9 LBS	410 g
Shrinkage (per area)	D-1204	-1.3%	-1.3%
Fire Retardancy	NFPA 701	Pass	
	E-84	5 Flame Spread, 55 Smoke Developed	
Cold Impact Strength	D-1709	-40 F	-40 C
Permeance	E-96	0.075 Grain/Hr-Ft <sup>2</sup> -in.H	4.2910 ng/m <sup>2</sup> -s-Pa
Air Permeance	E-2178	<0.004 cfm/ft <sup>2</sup>	<0.02 L(s·m <sup>2</sup> )



City of Puyallup Development & Permitting Services ISSUED PERMIT	
Building	Planning
Engineering	Public Works
Fire	Traffic

**GRIFFOLYN® TYPE-55 FR**

TechData

## ■ Ordering Information

**AVAILABLE COLORS:**  
Natural, Yellow, and Green

**SIZES:**  
Custom sizes up to 100' x 125' and custom fabrication are available to meet your exact specifications.

## ■ Usable Temperature Range

Minimum:	-5°F	-20°C
Maximum:	150°F	66°C

## ■ Conforms to the following Safety Codes

- Passes NFPA 701 Test 2 (Large Scale) - "Standard Methods of Fire Tests for Flame Propagation of Textile and Films"
- Class I, Class A Flame Spread Rating per UBC-42 and ASTM E-84

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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, expressed or implied, or merchantability, fitness or otherwise, is made as to product application for a particular use.