

TECHNICAL DATA SHEET



**DESCRIPTION**

Griffolyn® Type-55 ASFR is a 3-ply laminate combining two layers of antistatic fire retardant, linear low density polyethylene film and a high-strength cord grid. It is specifically engineered to provide antistatic fire retardant performance in a durable lightweight material.

**PHYSICAL PROPERTIES AND TYPICAL VALUES**

PROPERTY	ASTM TEST METHOD	U.S. VALUE	METRIC VALUE
Weight	D-2103	32 LB/1000 FT <sup>2</sup>	15.6 KG/100 M <sup>2</sup>
3" Tensile Strength	D-882	87 LBF	387 N
3" Load @ Break	D-882	38 LBF	169 N
		2100 PSI	14.5 MPA
3" Elongation @ Break	D-882	350 %	350 %
Tongue Tear	D-751 B	10.5 LBF	47 N
PPT Resistance	D-2582	26 LBF	116 N
Dart Impact Strength	D-1709	0.55 LBF	250 G
Cold Impact Strength	D-1790	-20°F	-28.9°C
Static Decay (50% RH, 10% cutoff)	NFPA-99	0.23 seconds	0.23 seconds
Surface Resistivity	NFPA-99	2.8 x 10 <sup>9</sup> Ohms	2.8 x 10 <sup>9</sup> Ohms
Fire Retardancy	E-84	10 flame spread, 75 smoke developed	
	NFPA 701 Test Method 2	Pass	
Permeance	E-96	0.047 Grain/Hr•Ft <sup>2</sup> •In.Hg	2.71 NG/(PA•S•M <sup>2</sup> )

**FEATURES AND BENEFITS**

- Fire retardant to meet safety requirements in critical equipment and material areas.
- Multiple layers and cord reinforcement resist punctures and tears.
- Reduce enclosure wind whipping effect.
- Low permeability greatly inhibits moisture transmission.
- Flexibility and light weight allow for easy handling and quick installation.
- Custom fabrication is available to meet your exact specifications.
- High durability allows for significant savings through reuse and fewer replacements.
- Stock rolls available with imprint stating name, product fire retardancy and antistatic rating properties.

**MORE** ▶▶

**OUR CUSTOMERS DON'T JUST** *cover their business,*  
**▶ THEY PROTECT IT**



## SUGGESTED APPLICATIONS

- Temporary walls, plant dividers, building enclosures and containment tents.
- Floor covers, dust partitions and cleanroom enclosures.
- Bags and tubing (printing available).
- Industrial packaging requiring antistatic protection
- Electronic areas
- Phone room/computer server room applications

## ORDERING INFORMATION

### AVAILABLE COLORS:

Natural

Custom sizes up to 100' x 200' and custom fabrication are available to meet your exact specifications.

### USABLE TEMPERATURE RANGE:

Minimum: 0°F -18°C

Maximum: 170°F 77°C

## CONFORMS TO THE FOLLOWING SAFETY CODES:

- Passes NFPA 701 Large Scale – “Standard Methods of Fire Tests for Flame-Propagation of Textiles and Films”.
- Class I, Class A flame spread rating per UBC-42 and ASTM E-84.
- Passes NFPA-99 for static decay.



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