

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 ²	15.6 KG/100 M ²
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 ⁹ Ohms	2.8 x 10 ⁹ 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 ² •In.Hg	2.71 NG/(PA•S•M ²)

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.

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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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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.