



DESCRIPTION

Griffolyn® Type-65 G is a 3-ply laminate combining two layers of high density polyethylene and a high-strength cord grid with a layer of non-woven geotextile fiber. It is specifically engineered to provide high strength and durability in a lightweight material.

PHYSICAL PROPERTIES AND TYPICAL VALUES

PROPERTY	ASTM TEST METHOD	U.S. VALUE	METRIC VALUE
Weight	D-3776	82 LB/1000 FT ²	40.1 KG/100 M ²
3" Tensile Strength	D-882	190 LBF	845 N
Puncture Strength	D-4833	60 LBF	267 N
PPT Resistance	D-2582	62 LBF	276 N
Dart Impact Strength	D-1709	5 LBS	2270 g
Cold Impact Strength	D-1790	-40°F	-40°C
Permeance	E-96	0.038 Grain/Hr•Ft ² •In.Hg	2.125 NG/(PA•S•M ²)

FEATURES AND BENEFITS

- Multiple layers and cord reinforcement combined with the geotextile layer offer extremely high puncture and tear resistance.
- UV stabilization protects the material from degradation during extended exposure to sunlight.
- Cold-crack resistance eliminates failures in extremely cold temperatures.
- 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.
- Class A, ASTM E-1745-11 Standard Specification for Water Vapor Retarders Used in Contact With Soil or Granular Fill Under Concrete Slabs.

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SUGGESTED APPLICATIONS

Architectural vapor retarder under slab on grade.

ORDERING INFORMATION

AVAILABLE COLORS:

Black

SIZES:

Rolls are available from 4' x 100' to 40' x 100' in increments of 4' widths. Some sizes available for immediate shipment. Standard length and width tolerances are $\pm 1\%$ (minimum 2")

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

USABLE TEMPERATURE RANGE:

Minimum: -25°F -31.6°C

Maximum: 170°F 77°C

OUTDOOR EXPOSURE

Under normal continuous exposure the average life expectancy ranges from 18 to 30 months, depending on color.