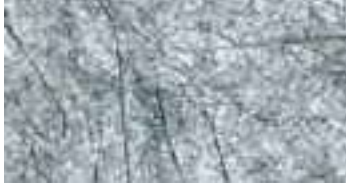


1064 Carbon Fiber Veil



Overview: Veil mats are thin plies of continuous strand fibers that are looped randomly throughout the roll of the material. It has the consistency of tissue paper. A light binder is present to hold the veil together.

While it is not intended for structural use, it has two very important functions. First, it can be placed in the mold directly behind the surface coat to minimize the print through of the heavier reinforcing cloths applied later. This thin out coating also permits some surface sanding of finished parts without cutting into the reinforcing fabric below.

The second largest use is with sandwich cores. A veil mat may be placed directly over the core to maintain the optimum bond-line thickness. Veil is also effective at keeping excess resin from draining into cells of honeycomb cores when a vacuum is not being used.

Graphite veils are frequently used in applications when corrosion resistant barriers are required. The non-woven construction allows a resin-rich surface that increases chemical stability and reduces the risk of micro-cracks forming in the composite surface. Carbon veils can also be used for grounding a composite structure, minimizing the build-up of static electricity that could prove dangerous when in contact with explosive liquids and gases.

Available in 1, 3 and 5 yard packages; custom cuts of 10 yards or more; and full rolls.

General Properties for Carbon Fiber Fabrics:

- Lightweight
- High Modulus
- High Strength
- Fire Resistant
- Dimensionally Stable
- Fatigue Resistant

Specific Product Properties:

Weave Pattern	Veil
Yarn Description	Not Available
	Not Available
Count (Ends x Picks) inches	Not Available
Weight	.20 oz/yard ²
Thickness	0.002 inches
Roll Width	35.5 inches
Roll Length	125 yards

Weave Pattern Rankings:

	Thickness	Weight	Strength	Porosity
Plain	3	1	3	1
Twill	2	1	4	2
4-Harness Satin	3	1	4	2
8-Harness Satin	1	1	7	4
Leno	7	7	1	7
Mock Leno	6	1	2	4

This was a scale from 1 to 7, with 1 being the lowest and 7 being the highest

Resin Compatibility

Part Number	Polyester Resin	Vinyl Ester Resin	System 2000 Epoxy
292	X	X	P
530	X	X	P
596	X	X	P
597	X	X	P
598	X	X	P
660	X	X	P
1064	X	X	P
1069	X	X	P

A "P" is for the primary resin for the fabric.

An "X" means the fabric is compatible with the resin.

The compatibility is based on Fibre Glast Development's resins only