



Carbon Fiber Veil

Part # - 1064

.2 oz, 35.5" Wide

Graphite veils are frequently used in applications when corrosion resistant barriers are required. The nonwoven 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.

Product Properties	
Basis Weight	0.20 oz / yd ² (6.8 g / m ²)
Thickness	.0021"
MD Tensile	.75-5.25 lb/in
CD Tensile	.75-5.25 lb/in
Electrical/Surface Resistivity	Less than 35 Ω/sq
Binder	Polyester
Fiber	1" mid mod PAN carbon
MD Elongation	.2-1.8%
CD Elongation	.2-1.8%

DESCRIPTION

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.

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Resin Compatibility:

1064, Carbon Fiber Veil, is compatible with Polyester, Vinyl Ester, and Epoxy Resins.