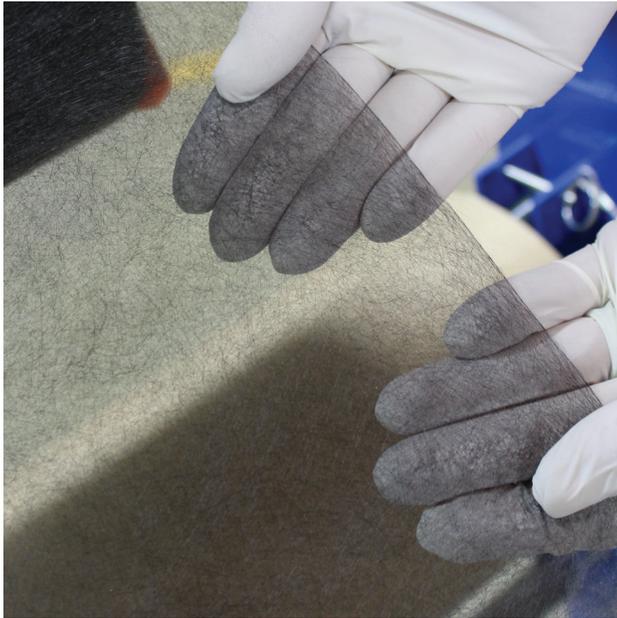


1064

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Carbon Fiber Veil



.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.

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.

Information present herein has been compiled from sources considered to be dependable and is accurate and reliable to the best of our knowledge and belief but is not guaranteed to be so. Nothing herein is to be construed as recommending any practice or any product violation of any patent or in violation of any law or regulation. It is the user's responsibility to determine for himself the suitability of any material for a specific purpose and to adopt such safety precautions as may be necessary. We make no warranty as to the results to be obtained in using any material and, since conditions of use are not under our control, we must necessarily disclaim all liability with respect to the use of any material supplied by us.

Specific Product Properties	Product Standard
Fiber Type	1" Long Mid Mod. PAN Carbon
Areal Weight	0.17 - 0.23 oz/yd
MD Tensile	0.75 - 5.25 lb/in
CD Tensile	0.75 - 5.25 lb/in
MD Elongation	0.2 - 1.8 %
CD Elongation	0.2 - 1.8 %
Thickness	0.0015 - 0.0030 inches
Binder Type	Polyester
Electrical Resistivity	<35 ohms/dm ²
Certifications Required	Quality certs and lot traceability documentation required
Shelf Life	N/A