

260 Continuous Strand Veil Surfacing Mat



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 outer 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.

This lightweight mat is typically used as a surfacing layer on laminations to improve surface finish and to provide a resin rich area in corrosion resistant tank linings.

General Properties for Veil Mat:

- Quick wetting and rapid air release, which allows for maximum molding productivity and reduced cost.
- Excellent weight uniformity allows consistent customer part quality
- Fine strand and superior chemistry minimizes print-through, resulting in attractive surface finishes with excellent laminate clarity.
- Superb dry mat integrity enhances productivity and reduces material losses during unrolling, cutting and piece handling.
- Small diameter, very dense rolls are safer and allow for more efficient material handling

Specific Product Properties:

Weave Pattern	Veil
Yarn Description	N/A
	N/A
Count (ends x picks) inches	N/A
Weight	3.7 Grams / ft ²
Thickness	.010 inches
Roll Width	38 inches
Roll Length	290 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
248	X	X	
250	X	X	
251	X	X	
260	X	X	
492	X	X	

An "X" means the fabric is compatible with the resin.
The compatibility is based on Fibre Glast Developments resin's only.