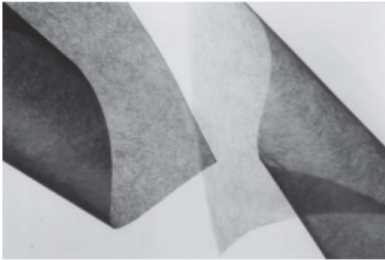


Carbon Fiber Tissue



Carbon Tissue is a lightweight, advanced non-woven carbon fiber veil incorporating 100% carbon fibers, approximately 1" in length, bonded together in a random fiber matrix. 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. It has excellent formability, drape and wets out evenly. Carbon Tissue can be used to provide a smooth covering for composite structures or to add stiffness with minimal weight gain and thickness. It is compatible with polyester, vinyl-ester and epoxy resins.

Physical Properties

Weight	.2 oz/yd ²	.3 oz/yd ²	.5 oz/yd ²
Thickness	.0021"	.0025"	.0055"
Fiber Type	PAN Carbon Fiber	PAN Carbon Fiber	PAN Carbon Fiber
Material Grade	8000015i	8000018	800020i
Binder	Polyester	Polyester	Polyester

Technical Properties

Average Tensile (MD)	3.0 lb/in	5.2 lb/in	7.0 lb/in
Average Tensile (CD)	3.0 lb/in	3.0 lb/in	7.0 lb/in
Air Permeability	1,220 ft ³ /ft ² /min	940 ft ³ /ft ² /min	840 ft ³ /ft ² /min
Elongation (MD)	0.90%	0.50%	0.60%
Elongation (CD)	1.4%	1.2%	1.1%
Mullen Burst	2.8 psi	6.0 psi	10.5 psi

MD-Machine Direction. CD-Cross Direction