



## Unidirectional Carbon Fabric (9.0 oz)

Part # - 2583

9.0 oz/sq yd, 12K, .014" thick

This unidirectional is a non-woven fabric with a relatively small percentage of binder material, made without the typical hot melt process. Consequently, there is no crimping of the fibers and only minimal binder is used on just one side of the fabric. This results in the highest property unidirectional dry reinforcement available. The 9 oz is used in many marine applications such as boat hulls, as well as hockey sticks and bicycles. 12" wide.

### Resin Compatibility:

2583, Unidirectional Carbon Fabric, is compatible with Polyester, Vinyl Ester, and Epoxy Resins.

Product Properties	
Width	
inches	12
mm	305
Binder %	0.7
Yield	
ft/lb	15.9
m/kg	10.7
Fabric Weight	
oz/yd <sup>2</sup>	9.0
g/m <sup>2</sup>	305
Thickness at 55% fv	
inches	.014
mm	.36
Tensile Strength (Dry)	711 KSI
Tensile Modulus (Dry)	33.4 MSI
Elongation	1.8-2.2%