

## Cytec Thornel® VCB-20 Carbon Cloth/Epoxy Composite

Category : Polymer , Thermoset , Carbon Fiber/Thermoset Composite , Epoxy , Epoxy/Carbon Fiber Composite , Filled/Reinforced Thermoset

### Material Notes:

Data provided by the manufacturer, Amoco Performance Products, Inc. Cured ply 0.47 mm thick, 55% fiber vol. Thornel® products were sold by Amoco and are now owned by Cytec.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Cytec-Thornel-VCB-20-Carbon-ClothEpoxy-Composite.php](http://www.lookpolymers.com/polymer_Cytec-Thornel-VCB-20-Carbon-ClothEpoxy-Composite.php)

Physical Properties	Metric	English	Comments
Density	1.60 g/cc	0.0578 lb/in <sup>3</sup>	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	275 MPa	39900 psi	
Tensile Modulus	41.0 GPa	5950 ksi	
Flexural Yield Strength	380 MPa	55100 psi	
Flexural Modulus	38.0 GPa	5510 ksi	
Compressive Yield Strength	345 MPa	50000 psi	
Shear Strength	35.0 MPa	5080 psi	Short Beam

Thermal Properties	Metric	English	Comments
CTE, linear	9.00 $\mu\text{m}/\text{m}\cdot\text{°C}$	5.00 $\mu\text{in}/\text{in}\cdot\text{°F}$	
	@Temperature 20.0 °C	@Temperature 68.0 °F	

## Contact Songhan Plastic Technology Co.,Ltd.

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