

## Cytec Thornel® P-120 Carbon Fiber/Epoxy Advanced Composite System

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. Measured in proprietary aerospace grade epoxy formulations at 0.62 fiber content by volume. 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-P-120-Carbon-FiberEpoxy-Advanced-Composite-System.php](http://www.lookpolymers.com/polymer_Cytec-Thornel-P-120-Carbon-FiberEpoxy-Advanced-Composite-System.php)

Physical Properties	Metric	English	Comments
Density	1.80 g/cc	0.0650 lb/in <sup>3</sup>	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	1210 MPa	175000 psi	
Tensile Modulus	520 GPa	75400 ksi	
Compressive Yield Strength	270 MPa	39200 psi	
Shear Strength	30.0 MPa	4350 psi	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	400 W/m-K	2780 BTU-in/hr-ft <sup>2</sup> -°F	

## Contact Songhan Plastic Technology Co.,Ltd.

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