

## Cytec Thornel® P-100 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-100-Carbon-FiberEpoxy-Advanced-Composite-System.php](http://www.lookpolymers.com/polymer_Cytec-Thornel-P-100-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	970 MPa	141000 psi	
Tensile Modulus	470 GPa	68200 ksi	
Compressive Yield Strength	290 MPa	42100 psi	
Shear Strength	35.0 MPa	5080 psi	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	321 W/m-K	2230 BTU-in/hr-ft <sup>2</sup> -°F	

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