

Cytec Thorne!® P-75 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. Thorne!® products were sold by Amoco and are now owned by Cytec.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Cytec-Thorne!-P-75-Carbon-FiberEpoxy-Advanced-Composite-System.php

Physical Properties	Metric	English	Comments
Density	1.70 g/cc	0.0614 lb/in ³	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	930 MPa	135000 psi	
Tensile Modulus	320 GPa	46400 ksi	
Compressive Yield Strength	440 MPa	63800 psi	
Shear Strength	55.0 MPa	7980 psi	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	110 W/m-K	763 BTU-in/hr-ft ² -°F	

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