

Cytec Thorne® P-650/42 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-65042-Carbon-FiberEpoxy-Advanced-Composite-System.php

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

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	2100 MPa	305000 psi	
Tensile Modulus	170 GPa	24700 ksi	
Compressive Yield Strength	1720 MPa	249000 psi	
Shear Strength	120 MPa	17400 psi	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	9.00 W/m-K	62.5 BTU-in/hr-ft ² -°F	

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