

Cytec Thornel® P-25 4K Carbon Fiber, Pitch Precursor

Category : Carbon , Carbon Fiber , Other Engineering Material , Composite Fibers

Material Notes:

Data provided by the manufacturer, Amoco Performance Products, Inc. Continuous filament strand from a pitch precursor. 4000 filaments/strand, 97+% carbon assay, 11 µm filament diameter, 1.4 m/g yield, 0 tpm twist, 0.38 mm² fiber area in yarn cross section. 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-25-4K-Carbon-Fiber-Pitch-Precursor.php

Physical Properties	Metric	English	Comments
Density	1.90 g/cc	0.0686 lb/in ³	
Specific Surface Area	0.70 m ² /g	0.70 m ² /g	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	1400 MPa	203000 psi	
Elongation at Break	0.90 %	0.90 %	
Modulus of Elasticity	160 GPa	23200 ksi	In Tension

Thermal Properties	Metric	English	Comments
Thermal Conductivity	22.0 W/m-K	153 BTU-in/hr-ft ² -°F	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.00130 ohm-cm	0.00130 ohm-cm	

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