

Generic PI, TP - Carbon Fiber

Thermoplastic Polyimide

Generic

Message:

This data represents typical values that have been calculated from all products classified as: Generic PI, TP - Carbon Fiber
This information is provided for comparative purposes only.

General Information			
Filler / Reinforcement	Carbon fiber reinforced material		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.42 - 1.46	g/cm ³	ASTM D792
Molding Shrinkage - Flow (23°C)	0.055 - 0.20	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	109 - 241	MPa	ASTM D638
Flexural Modulus (23°C)	6690 - 25500	MPa	ASTM D790
Flexural Strength (23°C)	259 - 345	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	80 - 110	J/m	ASTM D256
Injection	Nominal Value	Unit	Test Method
Drying Temperature	180 - 205	°C	
Drying Time	3.5 - 7.6	hr	
Mold Temperature	185 - 205	°C	
Injection Pressure	165 - 166	MPa	
Injection instructions			

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Recommended distributors for this material

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