

Generic PP, Unspecified - Carbon Fiber

Polypropylene

Generic

Message:

This data represents typical values that have been calculated from all products classified as: Generic PP, Unspecified - 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	0.930 - 1.10	g/cm³	ASTM D792
Molding Shrinkage - Flow (23°C)	0.24 - 0.36	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break, 23°C)	29.0 - 43.0	MPa	ASTM D638
Flexural Modulus (23°C)	2760 - 12400	MPa	ASTM D790
Flexural Strength (23°C)	61.7 - 66.5	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	25 - 59	J/m	ASTM D256
Unnotched Izod Impact (23°C)	130 - 370	J/m	ASTM D256
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	2.0 - 5.0E+6	ohms	ASTM D257
Injection	Nominal Value	Unit	
Drying Temperature	76.6 - 82.5	°C	
Drying Time	2.0 - 4.0	hr	
Rear Temperature	199 - 200	°C	
Middle Temperature	219 - 221	°C	
Front Temperature	243 - 244	°C	
Processing (Melt) Temp	209 - 238	°C	
Mold Temperature	37.8 - 49.0	°C	
Back Pressure	0.258 - 0.620	MPa	
Screw Speed	45 - 55	rpm	
Injection instructions			

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Recommended distributors for this material

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