

Generic ABS+PC - Carbon Fiber

Polycarbonate + ABS

Generic

Message:

This data represents typical values that have been calculated from all products classified as: Generic ABS+PC - 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	1.18 - 1.34	g/cm ³	ASTM D792
Molding Shrinkage - Flow (23°C)	0.095 - 0.20	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	6890 - 15300	MPa	ASTM D638
Tensile Strength (23°C)	103 - 159	MPa	ASTM D638
Tensile Elongation			ASTM D638
Yield, 23°C	1.0 - 2.0	%	ASTM D638
Fracture, 23°C	1.0 - 3.0	%	ASTM D638
Flexural Modulus (23°C)	6210 - 15900	MPa	ASTM D790
Flexural Strength (23°C)	152 - 214	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	37 - 110	J/m	ASTM D256
Unnotched Izod Impact (23°C)	320 - 530	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	107 - 129	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+2 - 1.0E+6	ohms	ASTM D257
Volume Resistivity (23°C)	1.0 - 1.0E+5	ohms · cm	ASTM D257
Injection	Nominal Value	Unit	
Drying Temperature	93.1 - 98.9	°C	
Drying Time	3.5 - 4.0	hr	
Rear Temperature	259 - 260	°C	
Middle Temperature	260 - 261	°C	
Front Temperature	260 - 261	°C	
Processing (Melt) Temp	258 - 259	°C	
Mold Temperature	71.9 - 85.0	°C	
Injection Pressure	85.9 - 86.4	MPa	
Injection instructions			

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Recommended distributors for this material

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