

Generic PC - Nano, Carbon

Polycarbonate

Generic

Message:

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

General Information			
Filler / Reinforcement	Carbon nano filler		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20 - 1.24	g/cm ³	ASTM D792
Molding Shrinkage - Flow (23°C)	0.49 - 0.70	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	2070 - 3170	MPa	ASTM D638
Tensile Strength (23°C)	53.8 - 66.5	MPa	ASTM D638
Tensile Elongation (Yield, 23°C)	6.9 - 10	%	ASTM D638
Flexural Modulus (23°C)	2340 - 3130	MPa	ASTM D790
Flexural Strength (23°C)	88.4 - 111	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	32 - 160	J/m	ASTM D256
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	5.5E+3 - 1.3E+8	ohms	ASTM D257
Volume Resistivity (23°C)	55 - 2.3E+6	ohms·cm	ASTM D257
Injection	Nominal Value	Unit	
Drying Temperature	120 - 121	°C	
Drying Time	4.0 - 4.1	hr	
Processing (Melt) Temp	301 - 302	°C	
Mold Temperature	101 - 102	°C	
Injection instructions			

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