

Generic PC - Glass Bead

Polycarbonate

Generic

Message:

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

General Information			
Filler / Reinforcement	Glass beads		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.33 - 1.49	g/cm ³	ASTM D792
Molding Shrinkage			
Flow: 23°C	0.49 - 0.71	%	ASTM D955
23°C	0.54 - 0.96	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	2380 - 6210	MPa	ASTM D638
Tensile Strength (23°C)	40.0 - 55.5	MPa	ASTM D638
Tensile Elongation			ASTM D638
Yield, 23°C	2.9 - 10	%	ASTM D638
Fracture, 23°C	2.8 - 22	%	ASTM D638
Flexural Modulus (23°C)	2340 - 5520	MPa	ASTM D790
Flexural Strength (23°C)	67.4 - 89.9	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	41 - 110	J/m	ASTM D256
Unnotched Izod Impact (23°C)	80 - 1600	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	138 - 143	°C	ASTM D648
1.8 MPa, not annealed	129 - 138	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity (23°C)	9.8E+15 - 1.0E+16	ohms · cm	ASTM D257
Injection	Nominal Value	Unit	
Rear Temperature	299 - 316	°C	
Middle Temperature	314 - 316	°C	
Front Temperature	316 - 327	°C	
Processing (Melt) Temp	302 - 316	°C	
Mold Temperature	92.8 - 102	°C	
Injection Pressure	85.9 - 86.8	MPa	
Injection instructions			

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Recommended distributors for this material

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