

Generic PC Alloy - Glass Fiber

Polycarbonate Alloy

Generic

Message:

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

General Information			
Filler / Reinforcement	Glass fiber reinforced material		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.25 - 1.26	g/cm ³	ASTM D792
Molding Shrinkage - Flow (23°C)	0.25 - 0.40	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (23°C)	83 - 86		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	54.0 - 125	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	7.0 - 18	%	ASTM D638
Flexural Modulus (23°C)	2960 - 12000	MPa	ASTM D790
Flexural Strength (23°C)	92.0 - 170	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	76 - 140	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	142	°C	ASTM D648
1.8 MPa, not annealed	132 - 138	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+15 - 1.0E+16	ohms	ASTM D257
Dielectric Strength (23°C)	19 - 22	kV/mm	ASTM D149
Injection	Nominal Value	Unit	
Drying Temperature	115	°C	
Drying Time	3.5 - 3.6	hr	
Rear Temperature	240 - 259	°C	
Middle Temperature	248 - 302	°C	
Front Temperature	255 - 302	°C	
Processing (Melt) Temp	248 - 266	°C	
Mold Temperature	105 - 110	°C	
Back Pressure	0.613 - 0.725	MPa	
Injection instructions			

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Recommended distributors for this material

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