

Generic Nylon 66 - Glass Bead\Glass Fiber

Polyamide 66

Generic

Message:

This data represents typical values that have been calculated from all products classified as: Generic Nylon 66 - Glass Bead\Glass Fiber
This information is provided for comparative purposes only.

General Information			
Filler / Reinforcement	Glass Beads \Glass Fiber		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.34 - 1.45	g/cm³	ISO 1183
Molding Shrinkage (23°C)	0.38 - 0.71	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	7130 - 7590	MPa	ISO 527-2
Tensile Stress (Break, 23°C)	99.0 - 174	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	2.5 - 3.1	%	ISO 527-2
Flexural Modulus (23°C)	6460 - 7500	MPa	ISO 178
Flexural Stress (23°C)	173 - 221	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	6.9 - 7.1	kJ/m²	ISO 179
Charpy Unnotched Impact Strength (23°C)	29 - 41	kJ/m²	ISO 179
Notched Izod Impact (23°C)	3.0 - 8.1	kJ/m²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	220 - 260	°C	ISO 75-2/B
1.8 MPa, not annealed	227 - 250	°C	ISO 75-2/A
Vicat Softening Temperature	200 - 250	°C	ISO 306
Injection	Nominal Value	Unit	
Drying Temperature	80.0 - 85.3	°C	
Drying Time	2.9 - 4.0	hr	
Processing (Melt) Temp	272 - 298	°C	
Mold Temperature	79.3 - 102	°C	
Injection instructions			

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