

Generic Nylon 66+Nylon 6I/X - Glass Fiber

Polyamide 66 + PA 6I/X

Generic

Message:

This data represents typical values that have been calculated from all products classified as: Generic Nylon 66+Nylon 6I/X - Glass Fiber
This information is provided for comparative purposes only.

General Information			
Filler / Reinforcement	Glass Fiber		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.28 to 1.85	g/cm ³	ISO 1183
Molding Shrinkage (23°C)	0.10 to 0.31	%	ISO 294-4
Water Absorption			ISO 62
Saturation, 23°C	3.5 to 5.0	%	
Equilibrium, 23°C, 50% RH	1.2 to 1.5	%	
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness	223 to 370	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	8200 to 28000	MPa	ISO 527-2
Tensile Stress (Break, 23°C)	145 to 292	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	1.9 to 3.1	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	14 to 15	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	50 to 91	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
1.8 MPa, Unannealed	230 to 250	°C	ISO 75-2/A
8.0 MPa, Unannealed	65.0 to 220	°C	ISO 75-2/C
Continuous Use Temperature	110 to 220	°C	ASTM D794
Melting Temperature	260	°C	ISO 11357-3
CLTE			ISO 11359-2
Flow	1.0E-5 to 1.5E-5	cm/cm/°C	
Transverse	4.9E-5 to 9.1E-5	cm/cm/°C	
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity (23°C)	1.0E+12 to 1.0E+14	ohms · cm	IEC 60093
Electric Strength (23°C)	33	kV/mm	IEC 60243-1

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