

Generic Nylon 6I/6T - Glass Fiber

Polyamide 6I/6T Copolymer

Generic

Message:

This data represents typical values that have been calculated from all products classified as: Generic Nylon 6I/6T - 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)	1.44 to 1.79	g/cm³	ISO 1183
Molding Shrinkage (23°C)	0.10 to 0.71	%	ISO 294-4
Water Absorption			ISO 62
Saturation, 23°C	3.0 to 3.5	%	
Equilibrium, 23°C, 50% RH	1.2 to 1.8	%	
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness	280 to 361	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	11000 to 23300	MPa	ISO 527-2
Tensile Stress (Break, 23°C)	190 to 262	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	1.5 to 2.0	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	7.0 to 11	kJ/m²	ISO 179
Charpy Unnotched Impact Strength (23°C)	50 to 80	kJ/m²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
1.8 MPa, Unannealed	280 to 291	°C	ISO 75-2/A
8.0 MPa, Unannealed	140 to 215	°C	ISO 75-2/C
Continuous Use Temperature	140 to 250	°C	ASTM D794
CLTE			ISO 11359-2
Flow	1.5E-5 to 2.0E-5	cm/cm/°C	
Transverse	4.0E-5 to 5.0E-5	cm/cm/°C	
Electrical	Nominal Value	Unit	Test Method
Electric Strength (23°C)	30 to 35	kV/mm	IEC 60243-1

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