

Generic Nylon 6 - Talc

Polyamide 6

Generic

Message:

This data represents typical values that have been calculated from all products classified as: Generic Nylon 6 - Talc
This information is provided for comparative purposes only.

General Information			
Filler / Reinforcement	Talc filler		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.24 - 1.48	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.0 - 3.2	g/10 min	ISO 1133
Molding Shrinkage (23°C)	0.64 - 0.88	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	4500 - 8200	MPa	ISO 527-2
Tensile Stress (Yield, 23°C)	89.6 - 120	MPa	ISO 527-2
Tensile Strain (Yield, 23°C)	1.5 - 12	%	ISO 527-2
Flexural Modulus (23°C)	4670 - 7300	MPa	ISO 178
Flexural Stress (23°C)	92.5 - 190	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	3.0 - 5.0	kJ/m²	ISO 179
Charpy Unnotched Impact Strength (23°C)	35 - 50	kJ/m²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	200 - 201	°C	ISO 75-2/B
Vicat Softening Temperature	200 - 201	°C	ISO 306
Melting Temperature (DSC)	220	°C	ISO 3146
Flammability	Nominal Value	Unit	Test Method
Glow Wire Ignition Temperature	650 - 658	°C	IEC 60695-2-13
Injection	Nominal Value	Unit	
Drying Temperature	80.0 - 80.2	°C	
Drying Time	4.0	hr	
Processing (Melt) Temp	230 - 265	°C	
Mold Temperature	60.0 - 80.0	°C	
Injection Pressure	94.7 - 95.1	MPa	
Injection instructions			

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