

Generic Nylon 11 - Glass Fiber

Polyamide 11

Generic

Message:

This data represents typical values that have been calculated from all products classified as: Generic Nylon 11 - 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	1.29 - 1.38	g/cm³	ASTM D792
Molding Shrinkage - Flow (23°C)	0.15 - 0.51	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.10 - 0.12	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (23°C)	108 - 112		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	2760 - 11000	MPa	ASTM D638
Tensile Elongation			ASTM D638
Yield, 23°C	2.5 - 2.8	%	ASTM D638
Fracture, 23°C	2.7 - 10	%	ASTM D638
Flexural Modulus (23°C)	2410 - 8480	MPa	ASTM D790
Flexural Strength (23°C)	96.5 - 221	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	58 - 240	J/m	ASTM D256
Unnotched Izod Impact (23°C)	370 - 1200	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	170 - 178	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature	79.4 - 82.2	°C	
Processing (Melt) Temp	243 - 256	°C	
Mold Temperature	48.9 - 51.7	°C	
Injection instructions			

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Recommended distributors for this material

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