

Generic PP, High Crystal - Glass Fiber

High Crystallinity Polypropylene

Generic

Message:

This data represents typical values that have been calculated from all products classified as: Generic PP, High Crystal - 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	0.970 - 1.35	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.0 - 10	g/10 min	ASTM D1238
Molding Shrinkage - Flow (23°C)	0.55 - 0.75	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (23°C)	103 - 115		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	58.0 - 89.0	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	3.0 - 5.1	%	ASTM D638
Apparent Bending Modulus (23°C)	88.3 - 147	MPa	ASTM D747
Flexural Modulus (23°C)	2260 - 6180	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	78 - 200	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	157 - 163	°C	ASTM D648
Injection	Nominal Value	Unit	
Rear Temperature	190 - 220	°C	
Middle Temperature	190 - 220	°C	
Front Temperature	190 - 220	°C	
Mold Temperature	59.5 - 65.0	°C	
Injection Pressure	53.9 - 83.4	MPa	
Screw Speed	45 - 55	rpm	
Injection instructions			

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Recommended distributors for this material

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