

HiFill® PA11 GF7 HS L

Polyamide 11
Techmer Engineered Solutions

Message:

HiFill® PA11 GF7 HS L is a Polyamide 11 (Nylon 11) product filled with 7.0% glass fiber. It can be processed by injection molding and is available in North America.

Characteristics include:

Heat Stabilizer

Lubricated

General Information			
Filler / Reinforcement	Glass Fiber,7.0% Filler by Weight		
Additive	Heat Stabilizer Lubricant		
Features	Heat Stabilized Lubricated		
Appearance	Colors Available		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.09	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.80	%	ASTM D955
Water Absorption (24 hr)	0.90	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	108		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	72.4	MPa	ASTM D638
Tensile Elongation (Break)	6.0	%	ASTM D638
Flexural Modulus	2480	MPa	ASTM D790
Flexural Strength	103	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm)	69	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	45.0	°C	
1.8 MPa, Unannealed	23.9	°C	
CLTE - Flow	1.3E-4	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+11	ohms · cm	ASTM D257

Dielectric Strength ¹	18	kV/mm	ASTM D149
NOTE			

1. Method A (Short-Time)

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