

HiFill® PA11 GF30 L UV

Polyamide 11
Techmer Engineered Solutions

Message:

HiFill® PA11 GF30 L UV is a Polyamide 11 (Nylon 11) product filled with glass fiber. It can be processed by injection molding and is available in North America.

Characteristics include:

- Flame Rated
- Good UV Resistance
- Heat Stabilizer
- UV Stabilized

General Information			
Filler / Reinforcement	Glass Fiber		
Additive	Heat Stabilizer		
	UV Stabilizer		
Features	Good UV Resistance		
	Heat Stabilized		
Appearance	Colors Available		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.27	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.15	%	ASTM D955
Water Absorption (24 hr)	0.50	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	108		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	114	MPa	ASTM D638
Tensile Elongation (Break)	6.6	%	ASTM D638
Flexural Modulus	6070	MPa	ASTM D790
Flexural Strength	179	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	180	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	182	°C	
1.8 MPa, Unannealed	177	°C	
CLTE - Flow	5.2E-5	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
Flammability	Nominal Value	Unit	Test Method
Flame Rating (3.18 mm)	HB		UL 94
NOTE			
1.	Method A (Short-Time)		

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Recommended distributors for this material

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