

Plaslube® PA6/6,6 GF50 HS L

Polyamide 66/6 Copolymer
Techmer Engineered Solutions

Message:

Plaslube® PA6/6,6 GF50 HS L is a Polyamide 66/6 Copolymer (Nylon 66/6) product filled with glass fiber. It can be processed by injection molding and is available in North America.

Characteristics include:

Flame Rated
Copolymer
Heat Stabilizer
Lubricated

General Information			
Filler / Reinforcement	Glass Fiber		
Additive	Heat Stabilizer		
	Lubricant		
Features	Copolymer		
	Heat Stabilized		
	Lubricated		
Appearance	Colors Available		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.57	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.40	%	ASTM D955
Water Absorption (24 hr)	0.40	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	121		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	228	MPa	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Modulus	14500	MPa	ASTM D790
Flexural Strength	331	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	257	°C	
1.8 MPa, Unannealed	241	°C	
CLTE - Flow	1.4E-5	cm/cm/°C	ASTM D696

Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+15	ohms·cm	ASTM D257
Dielectric Strength ¹	19	kV/mm	ASTM D149
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.50 mm)	HB		UL 94
NOTE			
1.	Method A (Short-Time)		

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