

# Plaslube® PA6/6 GF40 IM HS L BK

Polyamide 66  
Techmer Engineered Solutions

Message:

Plaslube® PA6/6 GF40 IM HS L BK is a Polyamide 66 (Nylon 66) product filled with 40% glass fiber. It can be processed by injection molding and is available in North America.

Characteristics include:

- Flame Rated
- Heat Stabilizer
- Impact Modified
- Impact Resistant
- Lubricated

General Information			
Filler / Reinforcement	Glass Fiber,40% Filler by Weight		
Additive	Heat Stabilizer		
	Impact Modifier		
	Lubricant		
Features	Heat Stabilized		
	High Impact Resistance		
	Lubricated		
Appearance	Black		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.35	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.70	%	ASTM D955
Water Absorption (24 hr)	0.30	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	111		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	152	MPa	ASTM D638
Tensile Elongation (Break)	4.0	%	ASTM D638
Flexural Modulus	8270	MPa	ASTM D790
Flexural Strength	213	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	160	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	254	°C	

1.8 MPa, Unannealed	249	°C	
CLTE - Flow	7.9E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+12	ohms	ASTM D257
Volume Resistivity	1.0E+11	ohms·cm	ASTM D257
Dielectric Strength <sup>1</sup>	17	kV/mm	ASTM D149
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.50 mm)	HB		UL 94
Additional Information	Nominal Value		
TPCI #	6441101		
NOTE			
1.	Method A (Short-Time)		

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#### Recommended distributors for this material

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