

# Plaslube® PA6/6 M/TL7 HS L

Polyamide 66  
Techmer Engineered Solutions

Message:

Plaslube® PA6/6 M/TL7 HS L is a Polyamide 66 (Nylon 66) product. It can be processed by injection molding and is available in North America. Characteristics include:

Lubricated  
Heat Stabilizer

General Information			
Additive	Heat Stabilizer		
	Lubricant		
	Molybdenum Disulfide Lubricant		
	PTFE Lubricant		
Features	Heat Stabilized		
	Lubricated		
Appearance	Colors Available		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.18	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	1.5	%	ASTM D955
Water Absorption (24 hr)	1.0	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	117		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	73.1	MPa	ASTM D638
Tensile Elongation (Break)	20	%	ASTM D638
Flexural Modulus	2760	MPa	ASTM D790
Flexural Strength	101	MPa	ASTM D790
Coefficient of Friction			ASTM D1894
vs. Steel - Dynamic	0.21		
vs. Steel - Static	0.14		
Wear Factor	170	10 <sup>-8</sup> mm <sup>3</sup> /N · m	ASTM D3702
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	43	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	93.3	°C	ASTM D648

CLTE - Flow	7.9E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+14	ohms·cm	ASTM D257
Dielectric Strength <sup>1</sup>	22	kV/mm	ASTM D149
NOTE			
1.	Method A (Short-Time)		

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