

Plaslube® PA4/6 HS L BK

Polyamide 46
Techmer Engineered Solutions

Message:

Plaslube® PA4/6 HS L BK is a Polyamide 46 (Nylon 46) product. It can be processed by injection molding and is available in North America. Characteristics include:

Heat Stabilizer
Lubricated

General Information			
Additive	Heat Stabilizer		
	Lubricant		
Features	Heat Stabilized		
	Lubricated		
UL File Number	E157318		
Appearance	Black		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.18	g/cm ³	ASTM D792
Water Absorption (24 hr)	2.3	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	100		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	100	MPa	ASTM D638
Tensile Elongation (Yield)	40	%	ASTM D638
Flexural Modulus	3000	MPa	ASTM D790
Flexural Strength	103	MPa	ASTM D790
Coefficient of Friction			ASTM D1894
vs. Steel - Dynamic	0.20		
vs. Steel - Static	0.25		
Wear Factor	81	10 ⁻⁸ mm ³ /N·m	ASTM D3702
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-40°C, 3.18 mm	75	J/m	
73°C, 3.18 mm	80	J/m	
Unnotched Izod Impact (3.18 mm)	No Break		ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648

0.45 MPa, Unannealed	221	°C	
1.8 MPa, Unannealed	160	°C	
CLTE - Flow	9.0E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+14	ohms·cm	ASTM D257
Dielectric Strength ¹	22	kV/mm	ASTM D149
NOTE			

1. Method A (Short-Time)

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