Plaslube® PA6/6 X

Polyamide 66

Techmer Engineered Solutions

Message:

Plaslube® PA6/6 X is a Polyamide 66 (Nylon 66) product. It can be processed by injection molding and is available in North America.
Characteristics include:
Lubricated
Wear Resistant

General Information			
Additive	Lubricant		
Features	Good Wear Resistance		
	Low Friction		
	Lubricated		
Appearance	Colors Available		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.10	g/cm³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	1.8	%	ASTM D955
Water Absorption (24 hr)	1.2	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	90		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	68.9	MPa	ASTM D638
Tensile Elongation (Yield)	10	%	ASTM D638
Flexural Modulus	2480	MPa	ASTM D790
Flexural Strength	117	MPa	ASTM D790
Coefficient of Friction			ASTM D1894
vs. Steel - Dynamic	0.26		
vs. Steel - Static	0.21		
Wear Factor	400	10^-8 mm³/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			ASTM D648
0.45 MPa, Unannealed	186	°C	
1.8 MPa, Unannealed	85.0	°C	
CLTE - Flow	7.7E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method

Volume Resistivity	1.0E+13	ohms·cm	ASTM D257
Dielectric Strength [1]	22	kV/mm	ASTM D149
NOTE			
1.	Method A (Short-Time)		

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