

Plaslube® PA6/6 TS18

Polyamide 66
Techmer Engineered Solutions

Message:

Plaslube® PA6/6 TS18 is a Polyamide 66 (Nylon 66) product. It can be processed by injection molding and is available in North America. Primary characteristic: lubricated.

General Information			
Additive	PTFE + Silicone Lubricant (18%)		
Features	Lubricated		
Appearance	Colors Available		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.25	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	1.8	%	ASTM D955
Water Absorption (24 hr)	0.80	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	118		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	65.5	MPa	ASTM D638
Tensile Elongation (Break)	9.0	%	ASTM D638
Flexural Modulus	2480	MPa	ASTM D790
Flexural Strength	96.5	MPa	ASTM D790
Coefficient of Friction			ASTM D1894
vs. Steel - Dynamic	0.080		
vs. Steel - Static	0.060		
Wear Factor	12	10 ⁻⁸ mm ³ /N · m	ASTM D3702
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	48	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	210	°C	
1.8 MPa, Unannealed	102	°C	
CLTE - Flow	8.1E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+14	ohms · cm	ASTM D257
Dielectric Strength ¹	20	kV/mm	ASTM D149
NOTE			
1.	Method A (Short-Time)		

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