

Plaslube® PA6/6 TL20

Polyamide 66
Techmer Engineered Solutions

Message:

Plaslube® PA6/6 TL20 is a Polyamide 66 (Nylon 66) product. It can be processed by injection molding and is available in North America. Characteristics include:
Flame Rated
Lubricated
Wear Resistant

General Information			
Additive	PTFE Lubricant (20%)		
Features	Good Wear Resistance		
	Low Friction		
	Lubricated		
UL File Number	E157318		
Appearance	Colors Available		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.26	g/cm ³	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)	114		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	62.1	MPa	ASTM D638
Tensile Elongation (Break)	40	%	ASTM D638
Flexural Modulus	2620	MPa	ASTM D790
Flexural Strength	93.1	MPa	ASTM D790
Coefficient of Friction			ASTM D1894
vs. Steel - Dynamic	0.18		
vs. Steel - Static	0.10		
Wear Factor	24	10 ⁻⁸ mm ³ /N · m	ASTM D3702
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	37	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	104	°C	ASTM D648
CLTE - Flow	8.3E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method

Volume Resistivity	1.0E+14	ohms·cm	ASTM D257
Dielectric Strength ¹	19	kV/mm	ASTM D149
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
Additional Information	Nominal Value		
TPCI #	9740101		
NOTE			
1.	Method A (Short-Time)		

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