

Plaslube® TPX-PA6/6-95001

Polyamide 66

Techmer Engineered Solutions

Message:

Proprietary Lubricant

General Information			
Additive	Lubricant		
Features	Lubricated		
Appearance	Colors Available		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.02	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	1.9	%	ASTM D955
Water Absorption (24 hr)	0.33	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	78		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	46.2	MPa	ASTM D638
Tensile Elongation (Break)	16	%	ASTM D638
Flexural Modulus	2140	MPa	ASTM D790
Flexural Strength	97.2	MPa	ASTM D790
Coefficient of Friction			ASTM D1894
vs. Steel - Dynamic	0.35		
vs. Steel - Static	0.26		
Wear Factor	99	10 ⁻⁸ mm ³ /N · m	ASTM D3702
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	75	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	71.1	°C	
1.8 MPa, Unannealed	65.6	°C	
CLTE - Flow	9.7E-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
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.50 mm)	HB		UL 94
Additional Information	Nominal Value	Unit	

Limiting Pressure Velocity - (10/100/1000 FPM)	6000/ 5500/ 5000	psi · fpm
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NOTE

1. Method A (Short-Time)

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