

# Plaslube® J-1/30/TF/22

Polyamide 66

Techmer Engineered Solutions

## Message:

Plaslube®J-1/30/TF/22 is a polyamide 66 (nylon 66) product, which contains a 30% glass fiber reinforced material. It can be processed by injection molding and is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific. Typical application areas are: engineering/industrial accessories.

Features include:

ROHS certification

high strength

Wear-resistant

Lubrication

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight		
Additive	PTFE lubricant (22%)		
Features	High strength		
	Good wear resistance		
	Lubrication		
Uses	Gear		
	Pulley		
	Cam		
	Bearing		
RoHS Compliance	RoHS compliance		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.49	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.20	%	ASTM D955
Water Absorption (24 hr)	0.60	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break, 23°C)	193	MPa	ASTM D638
Flexural Modulus (23°C)	10000	MPa	ASTM D790
Flexural Strength (Break, 23°C)	276	MPa	ASTM D790
Coefficient of Friction			ASTM D1894
With steel-dynamic	0.23		ASTM D1894
With steel-static	0.18		ASTM D1894
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	130	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	260	°C	ASTM D648
1.8 MPa, not annealed	254	°C	ASTM D648

#### Additional Information

Coefficient of Friction, Static, Thrust washer, 40psi, ambient temp.: 0.18  
Coefficient of Friction, Dynamic, Thrust washer, 40psi, 50 ft/min, ambient temp.: 0.23  
Limiting PV, Thrust washer, 100 FPM, ambient temperature: 2E4

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#### Recommended distributors for this material

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