

Plaslube® J-1/30/TF/22

 Techmer Polymer Modifiers - *Polyamide 66*
General Information
General

Material Status	• Commercial: Active
Availability	• Africa & Middle East • Europe • North America • Asia Pacific • Latin America
Filler / Reinforcement	• Glass Fiber, 30% Filler by Weight
Additive	• PTFE Lubricant: 22%
Features	• High Strength • Lubricated • Wear Resistant
Uses	• Bearings • Gears • Cams • Pulleys
RoHS Compliance	• RoHS Compliant
Forms	• Pellets
Processing Method	• Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.49		ASTM D792
Molding Shrinkage - Flow (0.125 in)	2.0E-3	in/in	ASTM D955
Water Absorption (24 hr)	0.60	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break, 73°F)	28000	psi	ASTM D638
Flexural Modulus (73°F)	1.45E+6	psi	ASTM D790
Flexural Strength (Break, 73°F)	40000	psi	ASTM D790
Coefficient of Friction			ASTM D1894
vs. Steel - Dynamic	0.23		
vs. Steel - Static	0.18		
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F, 0.125 in)	2.5	ft·lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	500	°F	ASTM D648
Deflection Temperature Under Load (264 psi, Unannealed)	490	°F	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			

