

Plaslube® J-50/10/TF/15

Techmer Polymer Modifiers - *Polycarbonate*

General

Material Status	• Commercial: Active
Availability	• Africa & Middle East • Europe • North America • Asia Pacific • Latin America
Filler / Reinforcement	• Glass Fiber, 10% Filler by Weight
Additive	• PTFE Lubricant: 15%
Features	• Good Dimensional Stability • High Strength • Good Toughness • Lubricated
Uses	• Cams • Gears • Pulleys
RoHS Compliance	• RoHS Compliant
Forms	• Pellets
Processing Method	• Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.36		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (73°F)	10500	psi	ASTM D638
Flexural Modulus (73°F)	550000	psi	ASTM D790
Flexural Strength (73°F)	16500	psi	ASTM D790
Flexural Strength (Break, 73°F)	17000	psi	ASTM D790
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 (264 psi, Unannealed)	290	°F	ASTM D648

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	250	°F
Drying Time	4.0	hr
Suggested Max Moisture	0.030	%
Rear Temperature	580 to 600	°F
Middle Temperature	590 to 620	°F
Front Temperature	580 to 610	°F
Nozzle Temperature	580 to 610	°F
Processing (Melt) Temp	580 to 630	°F
Mold Temperature	160 to 190	°F
Injection Rate	Moderate-Fast	
Back Pressure	50.0 to 100	psi

Injection Notes

Screw Speed: Medium
 Recommendations for Molding and Tool Conditions: Well vented
 Moisture Content, as received: Product is packaged at 0.2% or less.

