

Plaslube® J-50/10/TF/15

Polycarbonate

Techmer Engineered Solutions

Message:

Plaslube® J-50/10/TF/15 is a polycarbonate (PC) product, which contains a 10% 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

Good dimensional stability

Good toughness

Lubrication

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 10% filler by weight		
Additive	PTFE lubricant (15%)		
Features	Good dimensional stability		
	High strength		
	Good toughness		
	Lubrication		
Uses	Gear		
	Pulley		
	Cam		
RoHS Compliance	RoHS compliance		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.36	g/cm ³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	72.4	MPa	ASTM D638
Flexural Modulus (23°C)	3790	MPa	ASTM D790
Flexural Strength			ASTM D790
23°C	114	MPa	ASTM D790
Fracture, 23°C	117	MPa	ASTM D790
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 (1.8 MPa, Unannealed)	143	°C	ASTM D648
Injection	Nominal Value	Unit	

Drying Temperature	121	°C
Drying Time	4.0	hr
Suggested Max Moisture	0.030	%
Rear Temperature	304 - 316	°C
Middle Temperature	310 - 327	°C
Front Temperature	304 - 321	°C
Nozzle Temperature	304 - 321	°C
Processing (Melt) Temp	304 - 332	°C
Mold Temperature	71.1 - 87.8	°C
Injection Rate	Moderate-Fast	
Back Pressure	0.345 - 0.689	MPa

Injection instructions

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

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

