

Plaslube® J-1/30/TF/13/SI/2

Polyamide 66

Techmer Engineered Solutions

Message:

Plaslube®J-1/30/TF/13/SI/2 is a polyamide 66 (nylon 66) product containing 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.

Features include:

flame retardant/rated flame

ROHS certification

Lubrication

General Information				
Filler / Reinforcement		Glass fiber reinforced material, 30% filler by weight		
Additive		PTFE lubricant (13%)		
		Silicone lubricant (2%)		
Features		Lubrication		
RoHS Compliance		RoHS compliance		
Forms		Particle		
Processing Method		Injection molding		
Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity				
--	1.49	--	g/cm ³	ASTM D792
--	1490	--	kg/m ³	ISO 1183 ¹
Molding Shrinkage - Flow (3.18 mm)				
	0.20	--	%	ASTM D955
Water Absorption				
24 hr	0.50	--	%	ASTM D570
Saturation	5.3	--	%	ISO 62 ²
Balance	1.4	--	%	ISO 62 ³
Hardness	Dry	Conditioned	Unit	Test Method
Rockwell Hardness (R-Scale)				
	119	--		ASTM D785
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	9000	7200	MPa	ISO 527-2 ⁴
Tensile Stress				
Fracture	155	130	MPa	ISO 527-2 ⁵
23°C	162	--	MPa	ASTM D638
Tensile Elongation				
Fracture, 23°C	2.5	--	%	ASTM D638
Fracture	2.5	4.5	%	ISO 527-2 ⁶
Flexural Modulus (23°C)	9450	--	MPa	ASTM D790

Flexural Strength (23°C)	241	--	MPa	ASTM D790
Compressive Strength	165	--	MPa	ASTM D695
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179/1eA ⁷
-30°C	7.00	--	kJ/m ²	ISO 179/1eA
23°C	10.0	18.0	kJ/m ²	ISO 179/1eA
Notched Izod Impact (23°C, 3.18 mm)	96	--	J/m	ASTM D256
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
0.45 MPa	260	--	°C	ISO 75-2 ⁸
1.8 MPa, not annealed	254	--	°C	ASTM D648
1.8 MPa	250	--	°C	ISO 75-2 ⁹
Melting Temperature ¹⁰	260	--	°C	ISO 11357-3 ¹¹
CLTE - Flow	4.3E-5	--	cm/cm/°C	ASTM D696
Flammability	Dry	Conditioned		Test Method
Flame Rating (1.59 mm)	HB	--		UL 94
Burning Behav. at 1.6mm nom. thickn. (1.50 mm, UL)	HB	--		ISO 1210 ¹²
Additional Information				
干燥				
Compressive Strength, ASTM D695, 73°F: 24000 psi				
Injection	Dry	Unit		
Drying Temperature	82.2		°C	
Drying Time	2.0 - 4.0		hr	
Suggested Max Moisture	0.12		%	
Rear Temperature	282 - 293		°C	
Middle Temperature	288 - 299		°C	
Front Temperature	277 - 288		°C	
Nozzle Temperature	282 - 293		°C	
Processing (Melt) Temp	282 - 304		°C	
Mold Temperature	54.4 - 93.3		°C	
Injection Rate	Moderate-Fast			
Back Pressure	0.345 - 0.689		MPa	
Injection instructions				
Screw Speed: MediumRecommendations for Molding and Tool Conditions: Well ventedMoisture Content, as received: Product is packaged at 0.2% or less.Recomended Max Moisture: 0.12% down to 0.08%				
NOTE				
1.	?????,?? ISO 10350 ??? 23°C/50%r.h. ???			
2.	?????,?? ISO 10350 ??? 23°C/50%r.h. ???			

3.	?????,?? ISO 10350 ??? 23°C/50%r.h. ???
4.	?????,?? ISO 10350 ??? 23°C/50%r.h. ???
5.	?????,?? ISO 10350 ??? 23°C/50%r.h. ???
6.	?????,?? ISO 10350 ??? 23°C/50%r.h. ???
7.	?????,?? ISO 10350 ??? 23°C/50%r.h. ???
8.	?????,?? ISO 10350 ??? 23°C/50%r.h. ???
9.	?????,?? ISO 10350 ??? 23°C/50%r.h. ???
10.	10 °C/min
11.	?????,?? ISO 10350 ??? 23°C/50%r.h. ???
12.	?????,?? ISO 10350 ??? 23°C/50%r.h. ???

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

