Plaslube® PA6/6 GF30 TS1 BK

Polyamide 66

Techmer Engineered Solutions

Message:

Plaslube®PA6/6 GF30 TS1 BK 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.
Features include:
flame retardant/rated flame
Lubrication
Wear-resistant
heat stabilizer

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight		
Additive	PTFE lubricant (15%) Silicone lubricant heat stabilizer		
Features	Low friction coefficient Good wear resistance Thermal Stability Lubrication		
Appearance	Black		
Forms	Particle		
Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.49	g/cm³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.30	%	ASTM D955
Water Absorption (24 hr)	0.75	%	ASTM D570
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	110		ASTM D785
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Break)	156	MPa	ASTM D638
Tensile Elongation (Break)	2.0	%	ASTM D638
Flexural Modulus	8480	MPa	ASTM D790
Flexural Strength	221	MPa	ASTM D790
Coefficient of Friction			ASTM D1894
With steel-dynamic	0.24		ASTM D1894
With steel-static	0.19		ASTM D1894
Wear Factor	38	10^-8 mm³/N·m	
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	252	°C	ASTM D648
1.8 MPa, not annealed	241	°C	ASTM D648
CLTE - Flow	2.5E-5	cm/cm/°C	ASTM D696
Electrical	**Nominal Value**	**Unit**	**Test Method**
Volume Resistivity	1.0E+14	ohms·cm	ASTM D257
Dielectric Strength [1]	20	kV/mm	ASTM D149
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating (1.50 mm)	HB		UL 94
Additional Information	**Nominal Value**	**Unit**	
	170001000 fpm		
	19000100 fpm		
Limiting Pressure Velocity	1700010 fpm	psi-ft/min	
Injection	**Nominal Value**	**Unit**	
Drying Temperature	82.2	°C	
Drying Time	2.0 - 4.0	hr	
Suggested Max Moisture	0.10	%	
Rear Temperature	282 - 293	°C	
Middle Temperature	288 - 299	°C	
Front Temperature	277 - 288	°C	
Nozzle Temperature	271 - 304	°C	
Processing (Melt) Temp	282 - 304	°C	
Mold Temperature	79.4 - 104	°C	
Injection Rate	Slow-Moderate		
Back Pressure	0.00 - 0.345	MPa	

Injection instructions

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

NOTE

1. Method A (short time)

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

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Phone: +86 13424755533

Email: sales@su-jiao.com

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