

Plaslube® PC-50/TF/13/SI/2

Polycarbonate

Techmer Engineered Solutions

Message:

Plaslube® PC-50/TF/13/SI/2 is a polycarbonate (PC) product that contains fillers. 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	Filler		
Additive	PTFE lubricant (13%)		
	Silicone lubricant (2%)		
Features	Lubrication		
RoHS Compliance	RoHS compliance		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity			
--	1.27	g/cm ³	ASTM D792
--	1290	kg/m ³	ISO 1183 ¹
Molding Shrinkage - Flow (3.18 mm)	0.70	%	ASTM D955
Water Absorption			
24 hr	0.12	%	ASTM D570
Saturation	0.35	%	ISO 62 ²
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	109		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2500	MPa	ISO 527-2 ³
Tensile Stress			
Yield	50.0	MPa	ISO 527-2 ⁴
23°C	48.3	MPa	ASTM D638
Tensile Strain (Yield)	6.0	%	ISO 527-2 ⁵
Tensile Elongation at Break	40	%	ISO 527-2 ⁶
Flexural Modulus (23°C)	2000	MPa	ASTM D790
Flexural Strength (23°C)	72.4	MPa	ASTM D790
Compressive Strength	62.1	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	210	J/m	ASTM D256

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
1.8 MPa, not annealed	136	°C	ASTM D648
1.8 MPa	130	°C	ISO 75-2 ⁷
CLTE - Flow	6.8E-5	cm/cm/°C	ASTM D696
Flammability	Nominal Value		Test Method
Flame Rating (1.59 mm)	HB		UL 94
Burning Behav. at 1.6mm nom. thickn. (1.50 mm, UL)	HB		ISO 1210 ⁸
Additional Information			
Compressive Strength, ASTM D695, 73°F: 9000 psi			
Injection	Nominal Value	Unit	
Drying Temperature	121	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.030	%	
Rear Temperature	299 - 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	60.0 - 87.8	°C	
Injection Rate	Moderate		
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.			
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. ???		

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.

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



WECHAT