

LNP™ LUBRICOMP™ Lexan_LF1530A

compound

Polycarbonate
SABIC Innovative Plastics

Message:
LNP LUBRICOMP LEXAN_FL1530 compound is a 30% glass reinforced, 15% PTFE filled PC. Flame retardant and wear resistant. Tight tolerances.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight		
Additive	PTFE lubricant (15%)		
Features	Good wear resistance		
	Lubrication		
	Flame retardancy		
RoHS Compliance	RoHS compliance		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.56	g/cm ³	ASTM D792
Molding Shrinkage			Internal method
Flow: 3.20mm	0.050 - 0.25	%	Internal method
Transverse flow: 3.20mm	0.15 - 0.35	%	Internal method
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹			ASTM D638
Yield	114	MPa	ASTM D638
Fracture	114	MPa	ASTM D638
Tensile Elongation ²			ASTM D638
Yield	4.0	%	ASTM D638
Fracture	4.0	%	ASTM D638
Flexural Modulus ³ (50.0 mm Span)	8410	MPa	ASTM D790
Flexural Strength ⁴ (Break, 50.0 mm Span)	172	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	120	J/m	ASTM D256
Unnotched Izod Impact (23°C)	560	J/m	ASTM D4812
Instrumented Dart Impact (23°C, Total Energy)	18.3	J	ASTM D3763
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, unannealed, 3.20mm	135	°C	ASTM D648
1.8 MPa, unannealed, 3.20mm	129	°C	ASTM D648

Linear thermal expansion coefficient			ASTM E831
Flow: -40 to 40°C	2.5E-5	cm/cm/°C	ASTM E831
Lateral: -40 to 40°C	5.0E-5	cm/cm/°C	ASTM E831
RTI Elec	80.0	°C	UL 746
RTI Imp	80.0	°C	UL 746
RTI	80.0	°C	UL 746
Electrical	Nominal Value		Test Method
Comparative Tracking Index (CTI)	PLC 3		UL 746
High Amp Arc Ignition (HAI)	PLC 0		UL 746
Hot-wire Ignition (HWI)	PLC 0		UL 746
Flammability	Nominal Value		Test Method
Flame Rating (1.47 mm)	V-0		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	121	°C	
Drying Time	3.0 - 4.0	hr	
Drying Time, Maximum	48	hr	
Suggested Max Moisture	0.020	%	
Suggested Shot Size	40 - 60	%	
Rear Temperature	266 - 288	°C	
Middle Temperature	277 - 299	°C	
Front Temperature	288 - 310	°C	
Nozzle Temperature	282 - 304	°C	
Processing (Melt) Temp	288 - 310	°C	
Mold Temperature	71.1 - 93.3	°C	
Back Pressure	0.345 - 0.689	MPa	
Screw Speed	40 - 70	rpm	
Vent Depth	0.025 - 0.076	mm	
NOTE			
1.	Type 1, 5.0 mm/min		
2.	Type 1, 5.0 mm/min		
3.	1.3 mm/min		
4.	1.3 mm/min		

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



WECHAT