

LNP™ LUBRICOMP™ Noryl_SPN422L

compound

Polyphenylene Ether + PS

SABIC Innovative Plastics

Message:

LNP LUBRICOMP NORYL_SPN422L compound is a wear resistant, fluorocarbon alloy, 235F (113C) HDT. UL94 HB rated. Check surface aesthetics prior to material specification.

General Information			
Features	Good Wear Resistance		
Processing Method	Injection Molding		
Multi-Point Data	Elastic Modulus vs Temperature (ASTM D4065)		
	Flexural DMA (ASTM D4065)		
	Specific Heat vs. Temperature (ASTM D3417)		
	Tensile Creep (ASTM D2990)		
	Tensile Stress vs. Strain (ASTM D638)		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.08	g/cm ³	ASTM D792
Molding Shrinkage			Internal Method
Flow : 3.20 mm	0.50 to 0.70	%	
Across Flow ¹	0.50 to 0.70	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield)	49.0	MPa	ASTM D638
Tensile Elongation ³ (Break)	35	%	ASTM D638
Flexural Modulus ⁴ (100 mm Span)	2280	MPa	ASTM D790
Flexural Strength ⁵ (Yield, 100 mm Span)	75.8	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-40°C	96	J/m	
23°C	270	J/m	
Gardner Impact (23°C)	13.6	J	ASTM D3029
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.40 mm)	113	°C	ASTM D648
RTI Elec	50.0	°C	UL 746
RTI Imp	50.0	°C	UL 746
RTI Str	50.0	°C	UL 746
Electrical	Nominal Value		Test Method

Arc Resistance ⁶	PLC 6	ASTM D495
Comparative Tracking Index (CTI)	PLC 2	UL 746
High Amp Arc Ignition (HAI)	PLC 1	UL 746
High Voltage Arc Tracking Rate (HVTR)	PLC 3	UL 746
Hot-wire Ignition (HWI)	PLC 2	UL 746
Flammability	Nominal Value	Test Method
Flame Rating (1.47 mm)	HB	UL 94
Injection	Nominal Value	Unit
Drying Temperature	104 to 110	°C
Drying Time	3.0 to 4.0	hr
Drying Time, Maximum	8.0	hr
Suggested Max Moisture	0.020	%
Suggested Shot Size	30 to 70	%
Rear Temperature	249 to 299	°C
Middle Temperature	260 to 304	°C
Front Temperature	271 to 310	°C
Nozzle Temperature	282 to 310	°C
Processing (Melt) Temp	282 to 310	°C
Mold Temperature	76.7 to 104	°C
Back Pressure	0.345 to 0.689	MPa
Screw Speed	20 to 100	rpm
NOTE		
1.	Tensile Bar	
2.	Type I, 50 mm/min	
3.	Type I, 50 mm/min	
4.	2.6 mm/min	
5.	2.6 mm/min	
6.	Tungsten Electrode	

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