

LNP™ LUBRICOMP™ ZI001 compound

Polyphenylene Ether + PS

SABIC Innovative Plastics

Message:

LNP LUBRICOMP ZI001 is a compound based on PPE+PS resin containing 2% Silicone. Added feature of this grade is: Wear Resistant.

Also known as: LNP* LUBRICOMP* Compound ZI001

Product reorder name: ZI001

General Information			
Additive	Silicone Lubricant (2%)		
Features	Good Wear Resistance		
	Lubricated		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.05	g/cm ³	ASTM D792
Molding Shrinkage			ASTM D955
Flow : 24 hr	0.70 to 0.90	%	
Across Flow : 24 hr	0.90 to 1.1	%	
Water Absorption			
24 hr, 50% RH	0.090	%	ASTM D570
Equilibrium, 23°C, 50% RH	0.10	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			
-- ¹	2510	MPa	ASTM D638
--	2410	MPa	ISO 527-2/1
Tensile Strength			
Yield ²	44.0	MPa	ASTM D638
Yield	37.0	MPa	ISO 527-2/5
Break ³	51.6	MPa	ASTM D638
Break	47.0	MPa	ISO 527-2/5
Tensile Elongation			
Yield ⁴	2.7	%	ASTM D638
Yield	2.4	%	ISO 527-2/5
Break ⁵	36	%	ASTM D638
Break	45	%	ISO 527-2/5
Flexural Modulus			
50.0 mm Span ⁶	2520	MPa	ASTM D790
-- ⁷	2390	MPa	ISO 178
Flexural Stress	72.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method

Notched Izod Impact			
23°C	160	J/m	ASTM D256
23°C ⁸	14	kJ/m ²	ISO 180/1A
Unnotched Izod Impact			
23°C	1600	J/m	ASTM D4812
23°C ⁹	140	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
1.8 MPa, Unannealed, 3.20 mm	117	°C	ASTM D648
1.8 MPa, Unannealed, 64.0 mm Span ¹⁰	118	°C	ISO 75-2/Af
Injection	Nominal Value	Unit	
Drying Temperature	121	°C	
Drying Time	4.0	hr	
Rear Temperature	277 to 288	°C	
Middle Temperature	288 to 299	°C	
Front Temperature	299 to 310	°C	
Processing (Melt) Temp	299 to 304	°C	
Mold Temperature	82.2 to 110	°C	
Back Pressure	0.172 to 0.344	MPa	
Screw Speed	30 to 60	rpm	
NOTE			
1.	50 mm/min		
2.	Type I, 5.0 mm/min		
3.	Type I, 5.0 mm/min		
4.	Type I, 5.0 mm/min		
5.	Type I, 5.0 mm/min		
6.	1.3 mm/min		
7.	2.0 mm/min		
8.	80*10*4		
9.	80*10*4		
10.	80*10*4 mm		

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