

LNP™ LUBRILOY™ Z2000 compound

Polyphenylene Ether + PS

SABIC Innovative Plastics

Message:

LNP LUBRILOY Z2000 is a compound based on PPO resin containing Proprietary Lubricant. Added feature of this material is: Wear Resistant.

Also known as: LNP* LUBRILOY* Compound Z

Product reorder name: Z2000

General Information			
Additive	Lubricant		
Features	Good Wear Resistance		
	Lubricated		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	g/cm ³	ASTM D792, ISO 1183
Molding Shrinkage			ASTM D955, ISO 294-4
Flow : 24 hr	0.89	%	
Across Flow : 24 hr	1.2	%	
Water Absorption			
24 hr, 50% RH	0.064	%	ASTM D570
Equilibrium, 23°C, 50% RH	0.072	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			
-- ¹	1830	MPa	ASTM D638
--	1820	MPa	ISO 527-2/1
Tensile Strength			
Yield	47.0	MPa	ASTM D638
Yield	38.0	MPa	ISO 527-2
Break	42.4	MPa	ASTM D638
Break	41.0	MPa	ISO 527-2
Tensile Elongation			
Yield	4.2	%	ASTM D638
Yield	3.2	%	ISO 527-2
Break	52	%	ASTM D638
Break	37	%	ISO 527-2
Flexural Modulus			
--	2090	MPa	ASTM D790
--	1860	MPa	ISO 178
Flexural Strength			
--	74.3	MPa	ASTM D790

--	58.8	MPa	ISO 178
Coefficient of Friction			ASTM D3702 Modified
vs. Itself - Dynamic	0.19		
vs. Itself - Static	0.24		
Wear Factor - Washer	121	10 ⁻¹⁰ in ⁵ -min/ft-lb-hr	ASTM D3702 Modified
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
23°C	110	J/m	ASTM D256
23°C ²	12	kJ/m ²	ISO 180/1A
Unnotched Izod Impact			
23°C	2000	J/m	ASTM D4812
23°C ³	170	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed, 3.20 mm	141	°C	ASTM D648
0.45 MPa, Unannealed, 64.0 mm Span ⁴	138	°C	ISO 75-2/Bf
1.8 MPa, Unannealed, 3.20 mm	122	°C	ASTM D648
1.8 MPa, Unannealed, 64.0 mm Span ⁵	120	°C	ISO 75-2/Af
CLTE			ASTM E831, ISO 11359-2
Flow : -40 to 40°C	8.2E-5	cm/cm/°C	
Transverse : -40 to 40°C	8.9E-5	cm/cm/°C	
Injection	Nominal Value	Unit	
Drying Temperature	82.2	°C	
Drying Time	4.0	hr	
Rear Temperature	254 to 266	°C	
Middle Temperature	260 to 271	°C	
Front Temperature	266 to 277	°C	
Processing (Melt) Temp	277 to 293	°C	
Mold Temperature	60.0 to 93.3	°C	
Back Pressure	0.172 to 0.344	MPa	
Screw Speed	30 to 60	rpm	
NOTE			
1.	50 mm/min		
2.	80*10*4		
3.	80*10*4		
4.	80*10*4 mm		
5.	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

