

LNP™ LUBRICOMP™ OL003A compound

Branched Polyphenylene Sulfide

SABIC Innovative Plastics

Message:

LNP LUBRICOMP OL003A is a compound based on PPS - Branched resin containing 15% PTFE. Added features of this grade are: Wear Resistant.

Also known as: LNP* LUBRICOMP* Compound OL-4030

Product reorder name: OL003A

General Information			
Additive	PTFE Lubricant (15%)		
Features	Branched Polymer Structure		
	Good Wear Resistance		
	Lubricated		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity			ASTM D792
--	1.44	g/cm ³	
--	1.43	g/cm ³	
Molding Shrinkage			ASTM D955
Flow : 24 hr	0.90 to 2.0	%	
Across Flow : 24 hr	1.0 to 3.0	%	
Water Absorption			
24 hr, 50% RH	0.020	%	ASTM D570
Equilibrium, 23°C, 50% RH	0.040	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			
-- ¹	3590	MPa	ASTM D638
--	3370	MPa	ISO 527-2/1
Tensile Strength			
Break ²	21.0	MPa	ASTM D638
Break	20.0	MPa	ISO 527-2/5
Tensile Elongation			
Break ³	0.60	%	ASTM D638
Break	0.60	%	ISO 527-2/5
Flexural Modulus			
50.0 mm Span ⁴	3870	MPa	ASTM D790
-- ⁵	3320	MPa	ISO 178
Flexural Stress			
--	56.0	MPa	ISO 178
Break, 50.0 mm Span ⁶	65.0	MPa	ASTM D790

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
23°C	14	J/m	ASTM D256
23°C ⁷	2.2	kJ/m ²	ISO 180/1A
Unnotched Izod Impact			
23°C	74	J/m	ASTM D4812
23°C ⁸	4.8	kJ/m ²	ISO 180/1U
Instrumented Dart Impact			
23°C, Total Energy	1.00	J	ASTM D3763
--	0.400	J	ISO 6603-2
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed, 3.20 mm	175	°C	ASTM D648
0.45 MPa, Unannealed, 64.0 mm Span ⁹	178	°C	ISO 75-2/Bf
1.8 MPa, Unannealed, 3.20 mm	108	°C	ASTM D648
1.8 MPa, Unannealed, 64.0 mm Span ¹⁰	109	°C	ISO 75-2/Af
CLTE			ASTM D696
Flow : -30 to 30°C	6.0E-5	cm/cm/°C	
Transverse : -30 to 30°C	6.6E-5	cm/cm/°C	
Injection	Nominal Value	Unit	
Drying Temperature	121 to 149	°C	
Drying Time	4.0	hr	
Rear Temperature	304 to 316	°C	
Middle Temperature	321 to 332	°C	
Front Temperature	332 to 343	°C	
Processing (Melt) Temp	316 to 321	°C	
Mold Temperature	138 to 166	°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.	1.3 mm/min		
5.	2.0 mm/min		
6.	1.3 mm/min		
7.	80*10*4		
8.	80*10*4		
9.	80*10*4 mm		
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

