

LNP™ LUBRICOMP™ OFL38A compound

Branched Polyphenylene Sulfide

SABIC Innovative Plastics Europe

Message:

LNP LUBRICOMP OFL38A is a compound based on PPS - Branched resin containing Glass Fiber, PTFE. Added features include : Internally Lubricated.

General Information			
UL YellowCard	E45329-101658602		
Filler / Reinforcement	Carbon Fiber		
Additive	PTFE Lubricant		
Features	Branched Polymer Structure		
	Lubricated		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.80	g/cm ³	ISO 1183
Molding Shrinkage - Flow	0.20	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	14700	MPa	ISO 527-2/1
Tensile Stress (Break)	147	MPa	ISO 527-2/5
Tensile Strain (Break)	2.0	%	ISO 527-2/5
Flexural Modulus ¹	12700	MPa	ISO 178
Flexural Stress	206	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ² (23°C)	7.0	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ³ (23°C)	30	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁴			
0.45 MPa, Unannealed, 64.0 mm Span	280	°C	ISO 75-2/Bf
1.8 MPa, Unannealed, 64.0 mm Span	264	°C	ISO 75-2/Af
CLTE			ISO 11359-2
Flow : 23 to 60°C	1.6E-5	cm/cm/°C	
Transverse : 23 to 60°C	3.8E-5	cm/cm/°C	
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index	175	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.70 mm)	V-0		UL 94
Glow Wire Ignition Temperature			IEC 60695-2-13
1.00 mm	825 to 960	°C	

2.00 mm	875 to 960	°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. | 2.0 mm/min |
| 2. | 80*10*4 |
| 3. | 80*10*4 |
| 4. | 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