

LNP™ LUBRICOMP™ FP003 compound

Polyethylene
SABIC Innovative Plastics Europe

Message:

LNP *LUBRICOMP* FP003 is a compound based on Polyethylene resin, containing PTFE and Silicone. Added features include: Internally Lubricated.
Also known as: LNP* LUBRICOMP* Compound FL-4530
Product reorder name: FP003

General Information			
Additive	PTFE + Silicone Lubricant		
Features	Lubricated		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.02	g/cm ³	ISO 1183
Molding Shrinkage - Flow	3.0	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	900	MPa	ISO 527-2/1
Tensile Stress			ISO 527-2/50
Yield	20.0	MPa	
Break	12.0	MPa	
Tensile Strain			ISO 527-2/50
Yield	9.0	%	
Break	12	%	
Flexural Modulus ¹	700	MPa	ISO 178
Flexural Stress	18.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ² (23°C)	6.0	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ³ (23°C)	80	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁴			
0.45 MPa, Unannealed, 64.0 mm Span	63.0	°C	ISO 75-2/Bf
1.8 MPa, Unannealed, 64.0 mm Span	47.0	°C	ISO 75-2/Af
CLTE			ISO 11359-2
Flow : 23 to 60°C	1.4E-4	cm/cm/°C	
Transverse : 23 to 60°C	1.2E-4	cm/cm/°C	
Injection	Nominal Value	Unit	
Drying Temperature	82.2	°C	
Drying Time	4.0	hr	
Rear Temperature	193 to 204	°C	
Middle Temperature	210 to 221	°C	

Front Temperature	221 to 232	°C
Processing (Melt) Temp	232	°C
Mold Temperature	37.8 to 54.4	°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

