

LNP™ LUBRICOMP™ WI001 compound

Polybutylene Terephthalate

SABIC Innovative Plastics Europe

Message:

LNP LUBRICOMP WI001 is a compound based on Polybutylene Terephthalate resin containing Silicone. Added features include; Internally Lubricated.

Also known as: LNP* LUBRICOMP* Compound WL4410

Product reorder name: WI001

General Information			
UL YellowCard	E45329-101284326		
Additive	Silicone Lubricant		
Features	Lubricated		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.30	g/cm ³	ISO 1183
Molding Shrinkage			ISO 294-4
Across Flow : 24 hr	1.3	%	
Flow : 24 hr	1.3	%	
Water Absorption (23°C, 24 hr)	0.090	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2300	MPa	ISO 527-2/1
Tensile Stress (Yield)	45.0	MPa	ISO 527-2/5
Tensile Strain (Yield)	3.0	%	ISO 527-2/5
Flexural Modulus ¹	2300	MPa	ISO 178
Flexural Stress	69.0	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)	No Break		ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁴			
0.45 MPa, Unannealed, 64.0 mm Span	115	°C	ISO 75-2/Bf
1.8 MPa, Unannealed, 64.0 mm Span	66.0	°C	ISO 75-2/Af
CLTE			ISO 11359-2
Flow : 23 to 60°C	1.2E-4	cm/cm/°C	
Transverse : 23 to 60°C	1.3E-4	cm/cm/°C	
Injection	Nominal Value	Unit	
Drying Temperature	121	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.050	%	
Rear Temperature	221 to 232	°C	

Middle Temperature	243 to 254	°C
Front Temperature	260 to 271	°C
Processing (Melt) Temp	238 to 266	°C
Mold Temperature	82.2 to 98.9	°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

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