

LNP™ LUBRICOMP™ WFL369 compound

Polybutylene Terephthalate

SABIC Innovative Plastics

Message:

LNP LUBRICOMP WFL369 is a compound based on Polybutylene Terephthalate resin containing Glass Fiber, PTFE. Added features include: Flame Retardant, Internally Lubricated.

Also known as: LNP* LUBRICOMP* Compound WFL-4036 FR

Product reorder name: WFL369

General Information			
UL YellowCard	E45329-101282615		
Filler / Reinforcement	Glass fiber reinforced material		
Additive	PTFE lubricant		
Features	Lubrication		
	Flame retardancy		
RoHS Compliance	RoHS compliance		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.79	g/cm ³	ISO 1183
Molding Shrinkage - Flow	0.20	%	Internal method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	11000	MPa	ISO 527-2/1
Tensile Stress (Break)	96.0	MPa	ISO 527-2/5
Tensile Strain (Break)	1.4	%	ISO 527-2/5
Flexural Modulus ¹	8500	MPa	ISO 178
Flexural Stress	124	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact ² (23°C)	7.0	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ³ (23°C)	20	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁴ (1.8 MPa, Unannealed, 64.0 mm Span)	202	°C	ISO 75-2/Af
Linear thermal expansion coefficient			ISO 11359-2
Flow: 23 to 60°C	2.9E-5	cm/cm/°C	ISO 11359-2
Lateral: 23 to 60°C	8.2E-5	cm/cm/°C	ISO 11359-2
Flammability	Nominal Value		Test Method
Flame Rating (1.50 mm)	V-0		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	121	°C	
Drying Time	4.0	hr	

Suggested Max Moisture	0.050	%
Rear Temperature	232 - 243	°C
Middle Temperature	243 - 254	°C
Front Temperature	249 - 260	°C
Processing (Melt) Temp	243 - 260	°C
Mold Temperature	82.2 - 98.9	°C
Back Pressure	0.172 - 0.344	MPa
Screw Speed	30 - 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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