

# LNP™ LUBRICOMP™ DL001 compound

Polycarbonate

SABIC Innovative Plastics

## Message:

LNP LUBRICOMP DL001 is a compound based on Polycarbonate resin containing PTFE. Added features include: Internally Lubricated.

General Information			
UL YellowCard	E45329-101344454		
Additive	PTFE lubricant		
Features	Lubrication		
RoHS Compliance	RoHS compliance		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.23	g/cm <sup>3</sup>	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2300	MPa	ISO 527-2/1
Tensile Stress (Yield)	57.0	MPa	ISO 527-2/5
Tensile Strain (Yield)	5.6	%	ISO 527-2/5
Flexural Modulus <sup>1</sup>	2300	MPa	ISO 178
Flexural Stress	91.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact <sup>2</sup> (23°C)	10	kJ/m <sup>2</sup>	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature <sup>3</sup>			
0.45 MPa, unannealed, 64.0mm span	138	°C	ISO 75-2/Bf
1.8 MPa, unannealed, 64.0mm span	128	°C	ISO 75-2/Af
Linear thermal expansion coefficient			ISO 11359-2
Flow: 23 to 60°C	7.4E-5	cm/cm/°C	ISO 11359-2
Lateral: 23 to 60°C	7.3E-5	cm/cm/°C	ISO 11359-2
Flammability	Nominal Value		Test Method
Flame Rating (3.00 mm)	V-1		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	121	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.020	%	
Rear Temperature	293 - 304	°C	
Middle Temperature	304 - 316	°C	
Front Temperature	310 - 321	°C	
Processing (Melt) Temp	299 - 316	°C	
Mold Temperature	82.2 - 110	°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 mm

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Recommended distributors for this material

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