

# LNP™ LUBRICOMP™ DL002 compound

Polycarbonate

SABIC Innovative Plastics

## Message:

LNP LUBRICOMP\* DL002 is a compound based on Polycarbonate resin containing 10% PTFE. Added features of this material include: Wear Resistant.

Also known as: LNP\* LUBRICOMP\* Compound DL-4020

Product reorder name: DL002

General Information			
UL YellowCard	E121562-101282870		
Additive	PTFE Lubricant (10%)		
Features	Good Wear Resistance		
	Lubricated		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.25	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage			ASTM D955
Flow : 24 hr	0.70 to 0.90	%	
Across Flow : 24 hr	0.70 to 0.90	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	53.1	MPa	ASTM D638
Tensile Elongation (Break)	53	%	ASTM D638
Flexural Modulus	2280	MPa	ASTM D790
Flexural Strength	81.4	MPa	ASTM D790
Coefficient of Friction			ASTM D3702 Modified
vs. Itself - Dynamic	0.28		
vs. Itself - Static	0.17		
Wear Factor - Washer	97.0	10 <sup>-10</sup> in <sup>5</sup> -min/ft-lb-hr	ASTM D3702 Modified
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	240	J/m	ASTM D256
Unnotched Izod Impact (23°C)	No Break		ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)	128	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature	121	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.020	%	
Rear Temperature	293 to 304	°C	
Middle Temperature	304 to 316	°C	

Front Temperature	310 to 321	°C
Processing (Melt) Temp	299 to 316	°C
Mold Temperature	82.2 to 110	°C
Back Pressure	0.172 to 0.344	MPa
Screw Speed	30 to 60	rpm

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Recommended distributors for this material

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