

# LNP™ LUBRICOMP™ DL002 compound

Polycarbonate  
SABIC Innovative Plastics

Message:

LNP LUBRICOMP\* DL002 is a compound based on Polycarbonate resin containing PTFE. Added features of this material include: Internally Lubricated.  
Also known as: LNP\* LUBRICOMP\* Compound DL-4020  
Product reorder name: DL002

General Information			
UL YellowCard	E207780-101343861		
Additive	PTFE lubricant		
Features	Lubrication		
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 hours	0.70 - 0.90	%	ASTM D955
Transverse flow: 24 hours	0.70 - 0.90	%	ASTM D955
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
With self-dynamics	0.28		ASTM D3702 Modified
With Self-Static	0.17		ASTM D3702 Modified
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 - 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

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Recommended distributors for this material

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