

LNP™ LUBRICOMP™ DFP36 compound

Polycarbonate

SABIC Innovative Plastics

Message:

LNP* LUBRICOMP* DFP36 is a compound based on Polycarbonate resin containing 30% Glass Fiber, 15% PTFE/Silicone. Added feature of this material is: Wear Resistant.

Also known as: LNP* LUBRICOMP* Compound DFL-4536

Product reorder name: DFP36

General Information			
UL YellowCard	E121562-101344694		
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Additive	PTFE + Silicone Lubricant (15%)		
Features	Good Wear Resistance		
	Lubricated		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Molding Shrinkage - Flow (24 hr)	3.0E-3 to 5.0E-3	%	ASTM D955
Water Absorption			
24 hr, 50% RH	0.080	%	ASTM D570
Equilibrium, 23°C, 50% RH	0.12	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	8710	MPa	ISO 527-2/1
Coefficient of Friction			ASTM D3702 Modified
vs. Itself - Dynamic	0.0		
vs. Itself - Static	0.0		
Flexural Strain at Break ¹	0.0	%	ISO 178
Wear Factor			ASTM D3702 Modified
Ring	0.00	10^-10 in^5-min/ft-lb-hr	
Washer	0.00	10^-10 in^5-min/ft-lb-hr	
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
23°C	180	J/m	ASTM D256
23°C ²	17	kJ/m²	ISO 180/1A
Unnotched Izod Impact			
23°C	740	J/m	ASTM D4812
23°C ³	49	kJ/m²	ISO 180/1U
Multi-Axial Instrumented Impact Energy	7.32	J	ISO 6603-2
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			

0.45 MPa, Unannealed, 3.20 mm	146	°C	ASTM D648
1.8 MPa, Unannealed, 64.0 mm Span ⁴	144	°C	ISO 75-2/Af
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	310 to 321	°C	
Front Temperature	321 to 332	°C	
Processing (Melt) Temp	304 to 327	°C	
Mold Temperature	82.2 to 110	°C	
Back Pressure	0.172 to 0.344	MPa	
Screw Speed	30 to 60	rpm	
NOTE			
1.	2 mm/min		
2.	80*10*4		
3.	80*10*4		
4.	80*10*4 mm		

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Recommended distributors for this material

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