

LNP™ LUBRICOMP™ DL002P compound

Polycarbonate
SABIC Innovative Plastics

Message:

LNP LUBRICOMP* DL002P is a compound based on Polycarbonate resin containing PTFE. Added features of this material include: Exceptional Processing.
Also known as: LNP* LUBRICOMP* Compound DL-4020 EP
Product reorder name: DL002P

General Information			
Additive	PTFE lubricant		
Features	Workability, good		
	Lubrication		
Physical	Nominal Value	Unit	Test Method
Specific Gravity			
--	1.24	g/cm ³	ASTM D792
--	1.25	g/cm ³	ISO 1183
Molding Shrinkage			
Flow: 24 hours	0.70 - 0.90	%	ASTM D955
Transverse flow: 24 hours	1.0 - 1.2	%	ASTM D955
Vertical flow direction: 24 hours	1.0 - 1.2	%	ISO 294-4
Flow direction: 24 hours	0.70 - 0.90	%	ISO 294-4
Water Absorption			
24 hr, 50% RH	0.10	%	ASTM D570
Equilibrium, 23°C, 50% RH	0.20	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			
-- ¹	2450	MPa	ASTM D638
--	2460	MPa	ISO 527-2/1
Tensile Strength			
Yield	53.1	MPa	ASTM D638
Yield	54.0	MPa	ISO 527-2
Fracture	44.1	MPa	ASTM D638
Fracture	43.0	MPa	ISO 527-2
Tensile Elongation			
Yield	5.3	%	ASTM D638
Yield	5.6	%	ISO 527-2
Fracture	31	%	ASTM D638
Fracture	23	%	ISO 527-2
Flexural Modulus			
--	2200	MPa	ASTM D790

--	2080	MPa	ISO 178
Flexural Strength			
--	82.7	MPa	ASTM D790
--	85.6	MPa	ISO 178
Coefficient of Friction			
With self-dynamics	0.28		ASTM D3702 Modified
With Self-Static	0.17		ASTM D3702 Modified
Wear Factor - Washer	97.0	10 ⁻¹⁰ in ⁵ -min/ft-lb-hr	ASTM D3702 Modified
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
23°C	110	J/m	ASTM D256
23°C ²	11	kJ/m ²	ISO 180/1A
Unnotched Izod Impact (23°C)	No Break		ASTM D4812, ISO 180/1U
Instrumented Dart Impact			
23°C, Energy at Peak Load	34.3	J	ASTM D3763
--	74.1	J	ISO 6603-2
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
1.8 MPa, unannealed, 3.20mm	120	°C	ASTM D648
1.8 MPa, unannealed, 64.0mm span ³	123	°C	ISO 75-2/Af
NOTE			
1.	50 mm/min		
2.	80*10*4		
3.	80*10*4 mm		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT