

LNP™ LUBRICOMP™ WP004 compound

Polybutylene Terephthalate

SABIC Innovative Plastics

Message:

LNP LUBRICOMP WP004 is a compound based on Polybutylene Terephthalate resin containing PTFE, Silicone. Added features include ; Internally Lubricated.
Also known as: LNP* LUBRICOMP* Compound WL-4540
Product reorder name: WP004

General Information			
Additive	PTFE silicone lubricant		
Features	Lubrication		
RoHS Compliance	RoHS compliance		
Physical	Nominal Value	Unit	Test Method
Density	1.41	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2200	MPa	ISO 527-2/1
Tensile Stress (Yield)	40.0	MPa	ISO 527-2/5
Tensile Strain (Yield)	> 20	%	ISO 527-2/5
Flexural Modulus ¹	2000	MPa	ISO 178
Flexural Stress	61.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact ² (23°C)	5.0	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ³ (23°C)	25	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁴			
0.45 MPa, unannealed, 64.0mm span	146	°C	ISO 75-2/Bf
1.8 MPa, unannealed, 64.0mm span	55.0	°C	ISO 75-2/Af
Vicat Softening Temperature			
--	218	°C	ISO 306/A120
--	170	°C	ISO 306/B120
Linear thermal expansion coefficient			ISO 11359-2
Flow: 23 to 60°C	1.3E-4	cm/cm/°C	ISO 11359-2
Lateral: 23 to 60°C	1.2E-4	cm/cm/°C	ISO 11359-2
NOTE			
1.	2.0 mm/min		
2.	80*10*4		
3.	80*10*4		
4.	80*10*4 mm		

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