

LNPT[™] LUBRICOMP[™] COMPOUND OL009

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DESCRIPTION

LNP LUBRICOMP OL009 compound is based on Polyphenylene Sulfide (PPS) - linear resin containing 45% PTFE. Added features of this grade include: Wear Resistant.

GENERAL INFORMATION	
Features	Wear resistant
Fillers	Unreinforced, PTFE
Polymer Types	Polyphenylene Sulfide, Linear (PPS, Linear)
Processing Techniques	Injection Molding

INDUSTRY	SUB INDUSTRY
Building and Construction	Building Component
Consumer	Sport / Leisure, Personal Accessory, Home Appliances, Commercial Appliance
Electrical and Electronics	Mobile Phone - Computer - Tablets
Industrial	Electrical

TYPICAL PROPERTY VALUES

Revision 20231109

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL ⁽¹⁾			
Tensile Stress, break	37	MPa	ASTM D638
Tensile Strain, break	3.1	%	ASTM D638
Tensile Modulus, 50 mm/min	2640	MPa	ASTM D638
Flexural Stress	68	MPa	ASTM D790
Flexural Modulus	2590	MPa	ASTM D790
Coefficient of Friction on steel, Static	0.14	-	ASTM D1894
Coefficient of Friction on steel, Kinetic	0.23	-	ASTM D1894
IMPACT ⁽¹⁾			
Izod Impact, notched, 23°C	32	J/m	ASTM D256
THERMAL ⁽¹⁾			
HDT, 1.82 MPa, 3.2mm, unannealed	136	°C	ASTM D648
PHYSICAL ⁽¹⁾			
Density	1.61	g/cm ³	ASTM D792
INJECTION MOLDING ⁽²⁾			
Drying Temperature	120 – 150	°C	
Drying Time	4	Hrs	
Melt Temperature	315 – 320	°C	
Front - Zone 3 Temperature	330 – 345	°C	
Middle - Zone 2 Temperature	320 – 330	°C	
Rear - Zone 1 Temperature	305 – 315	°C	

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
Mold Temperature	140 – 165	°C	
Back Pressure	0.2 – 0.3	MPa	
Screw Speed	30 – 60	rpm	

- (1) The information stated on Technical Datasheets should be used as indicative only for material selection purposes and not be utilized as specification or used for part or tool design.
- (2) Injection Molding parameters are only mentioned as general guidelines. These may not apply or may need adjustment in specific situations such as low shot sizes, large part molding, thin wall molding and gas-assist molding.

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