LNP™ LUBRICOMP™ COMPOUND WP004

WL-4540
REGION EUROPE

DESCRIPTION

LNP LUBRICOMP WP004 compound is based on Polybutylene Terephthalate (PBT) resin containing 20% PTFE/silicone. Added features of this grade include: Wear Resistant.

GENERAL INFORMATION	
Features	Wear resistant
Fillers	Unreinforced, PTFE/Silicone
Polymer Types	Polybutylene Terephthalate (PBT)
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 20260803

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL [1]			
Tensile Stress, yield, 5 mm/min	37	MPa	ISO 527
Tensile Strain, Yield			
5 mm/min	11.3	%	ISO 527
Tensile Modulus, 1 mm/min	2200	MPa	ISO 527
Flexural Stress, yield, 2 mm/min	61	MPa	ISO 178
Flexural Modulus, 2 mm/min	2000	MPa	ISO 178
IMPACT [1]			
Izod Impact, Unnotched			
80*10*4 +23°C	20	kJ/m²	ISO 180/1U
Izod impact, notched			
80*10*4 +23°C	3	kJ/m²	ISO 180/1A
THERMAL [1]			
CTE, 23°C to 60°C, flow	1.32E-04	1/°C	ISO 11359-2
CTE, 23°C to 60°C, xflow	1.23E-04	1/°C	ISO 11359-2
Vicat Softening Temp, Rate A/120	218	°C	ISO 306
Vicat Softening Temp, Rate B/120	170	°C	ISO 306
HDT/Bf, 0.45 MPa Flatw 80*10*4 sp=64mm	152	°C	ISO 75/Bf
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	54	°C	ISO 75/Af
PHYSICAL [1]			

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PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
Density	1.42	g/cm³	ISO 1183

(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.

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