LNP™ LUBRICOMP™ COMPOUND WP004

WL-4540
REGION EUROPE

DESCRIPTION

LNP* LUBRICOMP* WP004 is a compound based on PBT resin containing 20% PTFE/Silicone. Added feature of this grade is: Wear Resistant.

TYPICAL PROPERTY VALUES

Revision 20190717

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

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