LNP™ LUBRICOMP™ COMPOUND YP003

YL-4530
REGION EUROPE

DESCRIPTION

LNP LUBRICOMP* YP003 is a compound based on Polyester Elastomer resin containing 15% PTFE/Silicone. Added features of this material include: Wear Resistant.

TYPICAL PROPERTY VALUES

Revision 20190609

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Tensile Stress, yield, 50 mm/min	20	MPa	ISO 527
Tensile Strain, break, 50 mm/min	365	%	ISO 527
Tensile Modulus, 1 mm/min	200	MPa	ISO 527
Flexural Stress, yield, 2 mm/min	10	MPa	ISO 178
Flexural Modulus, 2 mm/min	200	MPa	ISO 178
IMPACT			
Izod Impact, unnotched 80*10*4 +23°C	NB	kJ/m²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	30	kJ/m²	ISO 180/1A
PHYSICAL			
Mold Shrinkage, flow	2.2	%	SABIC method
Mold Shrinkage, flow, 24 hrs	1.5 – 2.5	%	ISO 294
Mold Shrinkage, xflow, 24 hrs	1.5 – 2.5	%	ISO 294
Density	1.26	g/cm³	ISO 1183
FLAME CHARACTERISTICS (1)			
UL Yellow Card Link	E45329-101344692	-	-
UL Recognized, 94HB Flame Class Rating	1.5	mm	UL 94
INJECTION MOLDING			
Drying Temperature	80	°C	
Drying Time	4	hrs	
Maximum Moisture Content	0.1	%	
Melt Temperature	215 – 240	°C	
Front - Zone 3 Temperature	225 – 240	°C	
Middle - Zone 2 Temperature	205 – 215	°C	
Rear - Zone 1 Temperature	180 – 195	°C	
Mold Temperature	25 – 55	°C	
Back Pressure	0.2 – 0.3	MPa	
Screw Speed	30 – 60	rpm	

(1) UL Ratings shown on the technical datasheet might not cover the full range of thicknesses and colors. For details, please see the UL Yellow Card.

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