LNP™ LUBRICOMP™ COMPOUND KI001

DESCRIPTION

LNP LUBRICOMP KI001 is a compound based on Acetal containing 3% Silicone. Added features of this grade include: Wear Resistant.

TYPICAL PROPERTY VALUES

Revision 20191210

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Tensile Modulus, 1 mm/min	2500	MPa	ISO 527
Tensile Stress, yield, 5 mm/min	44	MPa	ISO 527
Tensile Stress, break, 5 mm/min	20	MPa	ISO 527
Flexural Modulus, 2 mm/min	2000	MPa	ISO 178
Flexural Stress, yield, 2 mm/min	65	MPa	ISO 178
IMPACT			
Izod Impact, notched 80*10*4 +23°C	4.2	kJ/m²	ISO 180/1A
Izod Impact, unnotched 80*10*4 +23°C	57	kJ/m²	ISO 180/1U
THERMAL			
CTE, -30°C to 30°C, flow	1.23E-04	1/°C	ISO 11359-2
CTE, -30°C to 30°C, xflow	1.05E-04	1/°C	ISO 11359-2
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	87	°C	ISO 75/Af
PHYSICAL			
Mold Shrinkage, flow	2.5	%	SABIC method
Wear Factor Washer	66	10^-10 in^5-min/ft-lb-hr	ASTM D 3702 Modified: Manual
Dynamic COF	0.2	-	ASTM D 3702 Modified: Manual
Static COF	0.3	-	ASTM D 3702 Modified: Manual
Density	1.38	g/cm³	ISO 1183
INJECTION MOLDING			
Drying Time	2 – 3	hrs	
Drying Temperature	80	°C	
Front - Zone 3 Temperature	200 – 220	°C	
Middle - Zone 2 Temperature	190 – 210	°C	
Rear - Zone 1 Temperature	180 – 200	°C	
Mold Temperature	80 – 100	°C	

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