LNP™ LUBRICOMP™ COMPOUND GX07409H

GX07409H

DESCRIPTION

LNP LUBRICOMP GX07409H is a compound based on PSU resin containing proprietary fillers. Added features of this grade include: Wear Resistant, Healthcare.

TYPICAL PROPERTY VALUES

Revision 20191218

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Tensile Stress, yield, 5 mm/min	68	MPa	ISO 527
Tensile Stress, break, 5 mm/min	48	MPa	ISO 527
Tensile Strain, yield, 5 mm/min	5.8	%	ISO 527
Tensile Strain, break, 5 mm/min	9.3	%	ISO 527
Tensile Modulus, 1 mm/min	2520	MPa	ISO 527
Flexural Stress, yield, 2 mm/min	88	MPa	ISO 178
Flexural Modulus, 2 mm/min	2640	MPa	ISO 178
IMPACT			
Izod Impact, unnotched 80*10*4 +23°C	219	kJ/m²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	9	kJ/m²	ISO 180/1A
THERMAL			
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	167	°C	ISO 75/Af
PHYSICAL			
Density	1.31	g/cm³	ASTM D 792
Mold Shrinkage, flow, 24 hrs	0.51 – 0.71	%	ASTM D 955
Mold Shrinkage, xflow, 24 hrs	0.63 – 0.83	%	ASTM D 955
INJECTION MOLDING			
Drying Temperature	120 – 150	°C	
Drying Time	4	hrs	
Maximum Moisture Content	0.05	%	
Melt Temperature	360 – 370	°C	
Front - Zone 3 Temperature	350 – 360	°C	
Middle - Zone 2 Temperature	340 – 350	°C	
Rear - Zone 1 Temperature	325 – 340	°C	
Mold Temperature	150	°C	
Back Pressure	0.2 – 0.3	MPa	
Screw Speed	30 – 60	rpm	

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