



LNP™ LUBRICOMP™ Compound GX07409H

Americas: COMMERCIAL

Also known as: LNP™ LUBRICOMP™ Compound GX07409H

Product reorder name: GX07409H

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

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
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/m ²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	9	kJ/m ²	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/cm ³	ASTM D 792
Mold Shrinkage, flow, 24 hrs (5)	0.51 - 0.71	%	ASTM D 955
Mold Shrinkage, xflow, 24 hrs (5)	0.63 - 0.83	%	ASTM D 955



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PROCESSING PARAMETERS	TYPICAL VALUE	Unit
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