



LNP™ THERMOTUF™ Compound RN001IX4

Europe-Africa-Middle East: COMMERCIAL

Also known as: LNP™ THERMOTUF™ Compound RL4210HI

Product reorder name: RN001IX4

LNP LUBRICOMP RN001X4 is a compound based on PA 66 resin containing MoS2. Added features include: Internally Lubricated, High Impact, Heat Stabilized.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, break, 5 mm/min	45	MPa	ISO 527
Tensile Strain, break, 5 mm/min	97	%	ISO 527
Tensile Modulus, 1 mm/min	1600	MPa	ISO 527
Flexural Stress, yield, 2 mm/min	49	MPa	ISO 178
Flexural Modulus, 2 mm/min	1300	MPa	ISO 178
IMPACT			
Izod Impact, unnotched 80*10*4 +23°C	no break	kJ/m ²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	42	kJ/m ²	ISO 180/1A
THERMAL			
CTE, 23°C to 60°C, flow	1.16E-04	1/°C	ISO 11359-2
CTE, 23°C to 60°C, xflow	6.7E-05	1/°C	ISO 11359-2
HDT/Bf, 0.45 MPa Flatw 80*10*4 sp=64mm	212	°C	ISO 75/Bf
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	62	°C	ISO 75/Af
PHYSICAL			
Density	1.11	g/cm ³	ISO 1183



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PROCESSING PARAMETERS	TYPICAL VALUE	Unit
Injection Molding		
Drying Temperature	80	°C
Drying Time	4	hrs
Maximum Moisture Content	0.15 - 0.25	%
Melt Temperature	275 - 290	°C
Front - Zone 3 Temperature	295 - 305	°C
Middle - Zone 2 Temperature	280 - 295	°C
Rear - Zone 1 Temperature	265 - 275	°C
Mold Temperature	80 - 95	°C
Back Pressure	0.2 - 0.3	MPa
Screw Speed	30 - 60	rpm