



LNP™ LUBRICOMP™ Compound HX00059

Europe-Africa-Middle East: COMMERCIAL

LNP * LUBRICOMP* HX00059 is a compound based on PA 11 resin, containing a Proprietary Lubricant. Added features include: Internally Lubricated.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, yield, 50 mm/min	41	MPa	ISO 527
Tensile Stress, break, 50 mm/min	41	MPa	ISO 527
Tensile Strain, yield, 50 mm/min	115	%	ISO 527
Tensile Strain, break, 50 mm/min	225	%	ISO 527
Tensile Modulus, 1 mm/min	1200	MPa	ISO 527
Flexural Stress, yield, 2 mm/min	12	MPa	ISO 178
Flexural Modulus, 2 mm/min	300	MPa	ISO 178
THERMAL			
CTE, 23°C to 60°C, flow	2.1E-04	1/°C	ISO 11359-2
CTE, 23°C to 60°C, xflow	1.9E-04	1/°C	ISO 11359-2
HDT/Bf, 0.45 MPa Flatw 80*10*4 sp=64mm	120	°C	ISO 75/Bf
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	48	°C	ISO 75/Af
PHYSICAL			
Mold Shrinkage, flow (5)	2.6	%	SABIC Method



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PROCESSING PARAMETERS	TYPICAL VALUE	Unit
Injection Molding		
Drying Temperature	80	°C
Drying Time	4	hrs
Maximum Moisture Content	0.15	%
Melt Temperature	225 - 260	°C
Front - Zone 3 Temperature	260 - 270	°C
Middle - Zone 2 Temperature	230 - 245	°C
Rear - Zone 1 Temperature	200 - 210	°C
Mold Temperature	45 - 55	°C
Back Pressure	0.2 - 0.3	MPa
Screw Speed	30 - 60	rpm