



LNP™ LUBRICOMP™ Compound 9X06030

Europe-Africa-Middle East: COMMERCIAL

Also known as: LNP™ LUBRICOMP™ Compound STN-CL-4016 HS

Product reorder name: 9X06030

LNP* LUBRICOMP* 9X06030 is a compound based on PA46 resin containing PTFE and Carbon Fiber. Added features include: Internally Lubricated, Heat Stabilized.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, yield, 5 mm/min	260	MPa	ISO 527
Tensile Strain, break, 5 mm/min	1.5	%	ISO 527
Tensile Modulus, 1 mm/min	25700	MPa	ISO 527
Flexural Stress, yield, 2 mm/min	359	MPa	ISO 178
Flexural Strain, break, 2 mm/min	2.5	%	ISO 178
Flexural Modulus, 2 mm/min	19100	MPa	ISO 178
IMPACT			
Izod Impact, unnotched 80*10*4 +23°C	50	kJ/m ²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	7	kJ/m ²	ISO 180/1A
THERMAL			
CTE, 23°C to 60°C, flow	1.E-05	1/°C	ISO 11359-2
CTE, 23°C to 60°C, xflow	7.6E-05	1/°C	ISO 11359-2
PHYSICAL			
Mold Shrinkage, flow (5)	0.1 - 0.2	%	SABIC Method
Density	1.32	g/cm ³	ISO 1183
Water Absorption, 23°C/24hrs	0.04	%	ISO 62-1
ELECTRICAL			
Surface Resistivity	1.E+01 - 1.E+03	Ohm	ASTM D 257



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PROCESSING PARAMETERS	TYPICAL VALUE	Unit
Injection Molding		
Drying Temperature	80	°C
Drying Time	4	hrs
Maximum Moisture Content	0.05	%
Melt Temperature	310 - 320	°C
Front - Zone 3 Temperature	310 - 320	°C
Middle - Zone 2 Temperature	300 - 310	°C
Rear - Zone 1 Temperature	280 - 295	°C
Mold Temperature	80 - 120	°C
Back Pressure	0.2 - 0.3	MPa
Screw Speed	30 - 60	rpm