LNP™ LUBRICOMP™ Compound SFL36
Europe-Africa-Middle East: COMMERCIAL

Also known as: LNP™ LUBRICOMP™ Compound SFL-4036
Product reorder name: SFL36

LNP LUBRICOMP SFL36 is a compound based on PA 12 resin containing Glass Fiber, PTFE. Added features include: Internally Lubricated.

TYPICAL PROPERTIES[1]	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, yield, 5 mm/min	100	MPa	ISO 527
Tensile Strain, break, 5 mm/min	4.5	%	ISO 527
Flexural Stress, yield, 2 mm/min	147	MPa	ISO 178
Flexural Modulus, 2 mm/min	5900	MPa	ISO 178
IMPACT			
Izod Impact, unnotched 80*10*4 +23°C	65	kJ/m²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	15	kJ/m²	ISO 180/1A
THERMAL			
CTE, 23°C to 60°C, flow	2.2E-05	1/°C	ISO 11359-2
CTE, 23°C to 60°C, xflow	1.17E-04	1/°C	ISO 11359-2
HDT/Bf, 0.45 MPa Flatw 80*10*4 sp=64mm	175	°C	ISO 75/Bf
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	160	°C	ISO 75/Af
PHYSICAL			
Mold Shrinkage, flow (5)	0.1 - 0.3	%	SABIC Method
Density	1.37	g/cm³	ISO 1183
Water Absorption, 23°C/24hrs	0.14	%	ISO 62-1

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PROCESSING PARAMETERS	TYPICAL VALUE	Unit
Injection Molding		
Drying Temperature	80	°C
Drying Time	4	hrs
Maximum Moisture Content	0.12 - 0.2	%
Melt Temperature	225 - 240	°C
Front - Zone 3 Temperature	225 - 240	°C
Middle - Zone 2 Temperature	220 - 230	°C
Rear - Zone 1 Temperature	215 - 225	°C
Mold Temperature	70 - 80	°C
Back Pressure	0.2 - 0.3	MPa
Screw Speed	30 - 60	rpm