



LNP™ LUBRICOMP™ Compound RFG16
Europe-Africa-Middle East: COMMERCIAL

LNP LUBRICOMP RFG16 is a compound based on PA 66 resin containing Glass Fiber, Graphite. Added features include: Internally Lubricated.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, break, 5 mm/min	156	MPa	ISO 527
Tensile Strain, break, 5 mm/min	2.2	%	ISO 527
Tensile Modulus, 1 mm/min	9800	MPa	ISO 527
Flexural Stress, yield, 2 mm/min	249	MPa	ISO 178
Flexural Stress, break, 2 mm/min	249	MPa	ISO 178
Flexural Strain, break, 2 mm/min	3.8	%	ISO 178
Flexural Modulus, 2 mm/min	8700	MPa	ISO 178
IMPACT			
Izod Impact, unnotched 80*10*4 +23°C	60	kJ/m ²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	8	kJ/m ²	ISO 180/1A
THERMAL			
CTE, 23°C to 60°C, flow	2.6E-05	1/°C	ISO 11359-2
CTE, 23°C to 60°C, xflow	8.9E-05	1/°C	ISO 11359-2
PHYSICAL			
Mold Shrinkage, flow (5)	0.24	%	SABIC Method
Density	1.4	g/cm ³	ISO 1183



LNP™ LUBRICOMP™ Compound RFG16
Europe-Africa-Middle East: COMMERCIAL

PROCESSING PARAMETERS	TYPICAL VALUE	Unit
Injection Molding		
Drying Temperature	80	°C
Drying Time	4	hrs
Maximum Moisture Content	0.15 - 0.25	%
Melt Temperature	280 - 305	°C
Front - Zone 3 Temperature	295 - 305	°C
Middle - Zone 2 Temperature	280 - 295	°C
Rear - Zone 1 Temperature	265 - 275	°C
Mold Temperature	95 - 110	°C
Back Pressure	0.2 - 0.3	MPa
Screw Speed	30 - 60	rpm