

# LubriOne™ NN-20GF-10GB/13T-2S BLACK

Polyamide 66

PolyOne Corporation

## Message:

LubriOne™ Lubricated and Wear-Resistant Compounds have been specifically formulated to be self-lubricating materials, offering low coefficient of friction and improved wear resistance properties. LubriOne compounds have been demonstrated to reduce friction, noise, vibration, heat buildup and improve product durability.

General Information			
Features	Good Wear Resistance		
	Lubricated		
RoHS Compliance	RoHS Compliant		
Appearance	Black		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.46	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	0.20 to 0.50	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus <sup>1</sup>	9650	MPa	ASTM D638
Tensile Strength <sup>2</sup> (Break)	117	MPa	ASTM D638
Tensile Elongation <sup>3</sup> (Break)	1.0 to 3.0	%	ASTM D638
Flexural Modulus	6230	MPa	ASTM D790
Flexural Strength	172	MPa	ASTM D790
Coefficient of Friction			ASTM D1894
vs. Metal - Dynamic	0.59		
vs. Steel - Static	0.46		
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 6.35 mm, Injection Molded)	64	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Annealed, 3.18 mm)	239	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature	71.1 to 82.2	°C	
Mold Temperature	65.6 to 93.3	°C	
NOTE			
1.	Type I, 5.1 mm/min		
2.	Type I, 5.1 mm/min		
3.	Type I, 5.1 mm/min		

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