LubriOne™ NN-20CF/15T-02S BK

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	Electrically Conductive Good Wear Resistance High Stiffness Lubricated		
Uses	Appliance Components Automotive Applications Bearings Business Equipment Consumer Applications Conveyor Parts Gears Industrial Applications Printer Parts Pulleys Rollers		
RoHS Compliance	RoHS Compliant		
Appearance	Black		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.30	g/cm³	ISO 1183
Molding Shrinkage - Flow [1] (23°C, 4.00 mm)	0.10 to 0.20	%	ISO 294-4
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus [2] (23°C, 4.00 mm)	16500	MPa	ISO 527
Tensile Strength [3] (Break, 23°C, 4.00 mm)	160	MPa	ISO 527
Tensile Elongation [4] (Break, 23°C, 4.00 mm)	1.0 to 2.0	%	ISO 527
Flexural Modulus	12000	MPa	ISO 178
Flexural Strength	220	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**

Charpy Notched Impact Strength	6.0	kJ/m²	ISO 179
Charpy Unnotched Impact Strength	40	kJ/m²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Annealed	250	°C	ISO 75-2/B
1.8 MPa, Annealed	245	°C	ISO 75-2/A
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity (2.00 mm)	1.0E+3 to 1.0E+6	ohms	IEC 60093
Injection	Nominal Value	Unit	
Drying Temperature	71.1 to 82.2	°C	
Drying Time	2.0 to 4.0	hr	
Processing (Melt) Temp	288 to 299	°C	
Mold Temperature	65.6 to 93.3	°C	
NOTE			
1.	bergmann method		
2.	5.0 mm/min		
3.	5.0 mm/min		
4.	5.0 mm/min		

Recommended distributors for this material

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