

PolyOne LubriOne™ NN-30CF/15T-02S black Polyamide 66 (Nylon 66)

Category : Polymer , Thermoplastic , Nylon , Nylon 66

Material Notes:

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. Information provided by PolyOne

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-LubriOne-NN-30CF15T-02S-black-Polyamide-66-Nylon-66.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.33 g/cc	1.33 g/cc	ISO 1183
Linear Mold Shrinkage, Flow	0.0010 - 0.0020 cm/cm	0.0010 - 0.0020 in/in	ISO 294-4
Melt Flow	3.6 g/10 min @Load 2.16 kg, Temperature 275 °C	3.6 g/10 min @Load 4.76 lb, Temperature 527 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	162 MPa	23500 psi	Type I, 5.0 mm/min; ISO 527
Elongation at Break	1.0 - 2.0 %	1.0 - 2.0 %	Type I, 5.0 mm/min; ISO 527
Tensile Modulus	19.1 GPa	2770 ksi	Type I, 5.0 mm/min; ISO 527
Flexural Strength	210 MPa	30500 psi	ISO 178
Flexural Modulus	13.6 GPa	1970 ksi	ISO 178
Charpy Impact Unnotched	2.10 J/cm²	9.99 ft-lb/in²	ISO 179
Charpy Impact, Notched	0.450 J/cm²	2.14 ft-lb/in²	ISO 179

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	260 °C	500 °F	Annealed; ISO 75-2/B
Deflection Temperature at 1.8 MPa (264 psi)	240 °C	464 °F	Annealed; ISO 75-2/A

Processing Properties	Metric	English	Comments
Melt Temperature	288 - 299 °C	550 - 570 °F	
Mold Temperature	65.6 - 93.3 °C	150 - 200 °F	

Drying Temperature Processing Properties	71.1 - 82.2 °C Metric	160 - 180 °F English	Comments
Dry Time	2.00 - 4.00 hour	2.00 - 4.00 hour	

Descriptive Properties	Value	Comments
Appearance	Black	
Features	Electrically Conductive	
	Good Wear Resistance	
	High Stiffness	
	Lubricated	
Forms	Pellets	
Generic Material	Nylon 66	
Generic Name	Polyamide 66 (Nylon 66)	
Processing Method	Injection Molding	
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
	South America	
RoHS Compliance	RoHS Compliant	
Uses	Appliance Components	
	Automotive Applications	
	Bearings	
	Business Equipment	
	Consumer Applications	
	Conveyor Parts	
	Gears	
	Industrial Applications	
	Printer Parts	

Descriptive Properties	Pulleys Value	Comments
Rollers		

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