

Plaslube® NY-1/MS/5

Polyamide 66
Techmer Engineered Solutions

Message:

Plaslube® NY-1/MS/5 is a Polyamide 66 (Nylon 66) product. It can be processed by injection molding and is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America.
Characteristics include:
Flame Rated
RoHS Compliant
Lubricated

General Information			
UL YellowCard	E253782-484584		
Additive	Molybdenum Disulfide Lubricant (5%)		
Features	Lubricated		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.18	g/cm ³	ASTM D792
Molding Shrinkage - Flow	1.0	%	ASTM D955
Water Absorption (24 hr)	1.2	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	79.3	MPa	ASTM D638
Flexural Modulus	2900	MPa	ASTM D790
Flexural Strength (Yield)	103	MPa	ASTM D790
Coefficient of Friction (vs. Steel - Static)	0.28		ASTM D1894
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	48	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	116	°C	ASTM D648
CLTE - Flow	5.2E-5	cm/cm/°C	ASTM D696
RTI Elec (0.711 mm)	65.0	°C	UL 746
RTI Imp (0.711 mm)	65.0	°C	UL 746
RTI Str (0.711 mm)	65.0	°C	UL 746
Flammability	Nominal Value		Test Method
Flame Rating (0.711 mm)	HB		UL 94

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