

# Nypol® PA A3 G30 M2 NTLA014 NR394 MSP

Polyamide 66

Petropol Industry and Trade of Polymers LTDA

## Message:

Polyamide 6.6 naturally lead reinforced with 30% of fiberglass and lubricated with 2% molybdenum disulfide (MoS<sub>2</sub>), good set of thermal and mechanical properties. Ideal for injection molding.

General Information				
Filler / Reinforcement	Glass Fiber,30% Filler by Weight			
Additive	Molybdenum Disulfide Lubricant (2%)			
Features	Lubricated			
Processing Method	Injection Molding			
Resin ID (ISO 1043)	>PA 6.6 GF30<			
Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.36 to 1.38	--	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	0.30 to 0.70	--	%	ASTM D955
Water Absorption (Equilibrium)	1.3	--	%	ASTM D570
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Strength	175	125	MPa	ASTM D638
Tensile Elongation (Break)	3.0	4.0	%	ASTM D638
Flexural Modulus	10300	7000	MPa	ASTM D790
Flexural Strength	260	--	MPa	ASTM D790
Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact	80	110	J/m	ASTM D256
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	238	--	°C	ASTM D648
Melting Temperature	250 to 265	--	°C	ASTM D2117
Electrical	Dry	Conditioned	Unit	Test Method
Volume Resistivity	1.0E+14	1.0E+13	ohms·cm	ASTM D257
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating	HB	--		UL 94
Injection	Dry	Unit		
Drying Temperature	90.0		°C	
Drying Time	3.0		hr	
Suggested Max Moisture	0.020		%	
Processing (Melt) Temp	260 to 280		°C	
Mold Temperature	70.0 to 100		°C	

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