

# Nypol® PA A3 N10 NTLA014 NR329 MSP

Polyamide 66

Petropol Industry and Trade of Polymers LTDA

Message:

Polyamide 6.6 natural, lubricated with 10% of graphite. Ideal for injection molding, good set of thermal properties, electrical and mechanical.

General Information				
Additive		Graphite Powder Lubricant (10%)		
Appearance		Natural Color		
Processing Method		Injection Molding		
Resin ID (ISO 1043)		>PA 6.6 N10<		
Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.44	--	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	1.4 to 1.9	--	%	ASTM D955
Water Absorption (Equilibrium)	1.2	--	%	ASTM D570
Ash Content	8.0 to 12	--	%	ASTM D2584
Hardness	Dry	Conditioned	Unit	Test Method
Rockwell Hardness (R-Scale)	120	104		ASTM D785
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Strength	85.0	61.0	MPa	ASTM D638
Tensile Elongation (Break)	30	40	%	ASTM D638
Flexural Modulus	2750	1800	MPa	ASTM D790
Flexural Strength	100	65.0	MPa	ASTM D790
Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact	40	50	J/m	ASTM D256
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	65.0	--	°C	ASTM D648
Melting Temperature	250 to 265	--	°C	ASTM D2117
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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Recommended distributors for this material

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