

# Nypol® PA A3 G15 TZ NTLA010 NR374

Polyamide 66

Petropol Industry and Trade of Polymers LTDA

## Message:

Polyamide 6.6 natural reinforced with 15% of fiberglass, modified the impact, good set of thermal and mechanical properties. Ideal for injection molding.

General Information				
Filler / Reinforcement	Glass Fiber,15% Filler by Weight			
Additive	Impact Modifier			
Appearance	Natural Color			
Processing Method	Injection Molding			
Resin ID (ISO 1043)	>PA 6.6 GF15<			
Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.19 to 1.21	--	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	0.60 to 0.90	--	%	ASTM D955
Water Absorption (Equilibrium)	1.3	--	%	ASTM D570
Ash Content	13 to 17	--	%	ASTM D2584
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Strength	110	78.0	MPa	ASTM D638
Tensile Elongation (Break)	3.0	7.0	%	ASTM D638
Flexural Modulus	4600	2500	MPa	ASTM D790
Flexural Strength	150	100	MPa	ASTM D790
Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact	60	80	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	0.20		%	
Processing (Melt) Temp	260 to 280		°C	
Mold Temperature	70.0 to 100		°C	

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