

# Nypol® PA B3 G30 HS PRTA011 NT351

Polyamide 6

Petropol Industry and Trade of Polymers LTDA

## Message:

Polyamide 6 in black color reinforced with 30% of fiberglass, heat stabilized, lubricated, good UV resistance, good set of thermal properties, electrical and mechanical. Ideal for injection molding.

General Information				
Filler / Reinforcement	Glass Fiber,30% Filler by Weight			
Additive	Heat Stabilizer Lubricant UV Stabilizer			
Features	Good Electrical Properties Good UV Resistance Heat Stabilized Lubricated			
Appearance	Black			
Processing Method	Injection Molding			
Resin ID (ISO 1043)	>PA 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 0.40	--	%	ASTM D955
Water Absorption (24 hr)	1.0	--	%	ASTM D570
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Strength	140	115	MPa	ASTM D638
Tensile Elongation (Break)	2.5	5.0	%	ASTM D638
Flexural Modulus	7600	4200	MPa	ASTM D790
Flexural Strength	220	190	MPa	ASTM D790
Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact	120	200	J/m	ASTM D256
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	197	--	°C	ASTM D648
Melting Temperature	215 to 220	--	°C	ASTM D2117
Flammability	Dry	Conditioned	Test Method	
Flame Rating	HB	--	UL 94	
Injection	Dry	Unit		
Drying Temperature	90.0		°C	

Drying Time	4.0	hr
Suggested Max Moisture	0.020	%
Processing (Melt) Temp	220 to 240	°C
Mold Temperature	70.0 to 90.0	°C

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Recommended distributors for this material

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