

# Nypol® PA B3 G50 NTLA010 NT322

Polyamide 6  
Petropol Industry and Trade of Polymers LTDA

Message:  
Polyamide 6 natural reinforced with 50% of fiberglass, good set of thermal properties, electrical and mechanical. Ideal for injection molding.

General Information				
Filler / Reinforcement		Glass Fiber,50% Filler by Weight		
Appearance		Natural Color		
Processing Method		Injection Molding		
Resin ID (ISO 1043)		>PA 6 GF50<		
Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.55 to 1.57	--	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	0.10 to 0.25	--	%	ASTM D955
Water Absorption (Equilibrium)	0.70	--	%	ASTM D570
Ash Content	48 to 52	--	%	ASTM D2584
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Strength	200	140	MPa	ASTM D638
Tensile Elongation (Break)	2.0	3.0	%	ASTM D638
Flexural Modulus	12900	8100	MPa	ASTM D790
Flexural Strength	300	190	MPa	ASTM D790
Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact	150	210	J/m	ASTM D256
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	220	--	°C	ASTM D648
Melting Temperature	210 to 225	--	°C	ASTM D2117
Injection	Dry	Unit		
Drying Temperature	90.0	°C		
Drying Time	2.0	hr		
Suggested Max Moisture	0.020	%		
Processing (Melt) Temp	220 to 240	°C		
Mold Temperature	40.0 to 80.0	°C		

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Recommended distributors for this material

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