

Nypol® PA B3 G25 NTLA010 NT337

Polyamide 6

Petropol Industry and Trade of Polymers LTDA

Message:

Polyamide 6 natural reinforced with 25% of fiberglass, good set of thermal properties, electrical and mechanical. Ideal for injection molding.

General Information				
Filler / Reinforcement	Glass Fiber,25% Filler by Weight			
Features	Good Electrical Properties			
Appearance	Natural Color			
Processing Method	Injection Molding			
Resin ID (ISO 1043)	>PA 6 GF25<			
Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.30	--	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.35 to 0.60	--	%	ASTM D955
Water Absorption (24 hr)	1.0	--	%	ASTM D570
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Strength	135	85.0	MPa	ASTM D638
Tensile Elongation (Break)	3.5	6.0	%	ASTM D638
Flexural Modulus	6600	4100	MPa	ASTM D790
Flexural Strength	200	125	MPa	ASTM D790
Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact	100	170	J/m	ASTM D256
Thermal	Dry	Conditioned	Unit	Test Method
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	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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