

Nypol® PA B3 G20 NTLA010 NT306

Polyamide 6
Petropol Industry and Trade of Polymers LTDA

Message:
Polyamide 6 natural reinforced with 20% of fiberglass, good set of thermal properties, electrical and mechanical. Ideal for injection molding.

General Information				
Filler / Reinforcement		Glass Fiber,20% Filler by Weight		
Appearance		Natural Color		
Processing Method		Injection Molding		
Resin ID (ISO 1043)		>PA 6 GF20<		
Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.25 to 1.27	--	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.40 to 0.60	--	%	ASTM D955
Water Absorption (Equilibrium)	1.0	--	%	ASTM D570
Ash Content	18 to 22	--	%	ASTM D2584
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Strength	120	80.0	MPa	ASTM D638
Tensile Elongation (Break)	4.0	6.0	%	ASTM D638
Flexural Modulus	6050	3600	MPa	ASTM D790
Flexural Strength	195	110	MPa	ASTM D790
Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact	90	160	J/m	ASTM D256
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	180	--	°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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