

Nypol® PA B3 G30 NTLA010 NT301

Polyamide 6

Petropol Industry and Trade of Polymers LTDA

Message:

Polyamide 6 natural reinforced with 30% glass fiber, lubricated, ideal for injection molding, good set of thermal properties, electrical and mechanical.

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Additive	Lubricant		
Features	Lubricated		
Appearance	Natural Color		
Processing Method	Injection Molding		
Resin ID (ISO 1043)	>PA 6 GF30<		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.36 to 1.38	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (235°C/2.16 kg)	5.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.30 to 0.50	%	ASTM D955
Water Absorption (Equilibrium)	1.0	%	ASTM D570
Ash Content	28 to 32	%	ASTM D2584
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	160	MPa	ASTM D638
Tensile Elongation (Break)	3.5	%	ASTM D638
Flexural Modulus	7900	MPa	ASTM D790
Flexural Strength	220	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	120	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	200	°C	ASTM D648
Vicat Softening Temperature	210	°C	ASTM D1525 ¹
Melting Temperature	210 to 225	°C	ASTM D2117
Injection	Nominal Value	Unit	Test Method
Drying Temperature	80.0	°C	
Drying Time	4.0	hr	
Processing (Melt) Temp	230 to 250	°C	
Mold Temperature	80.0 to 100	°C	

NOTE

1. Rate A (50°C/h)

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Recommended distributors for this material

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