

# Nypol® PA B3 G10 V20 CNZ0029 NT398

Polyamide 6

Petropol Industry and Trade of Polymers LTDA

## Message:

Polyamide 6 in the gray color, reinforced with 30% load hybrid (glass fiber and glass spheres), good set of thermal properties, electrical and mechanical. Ideal for injection molding.

General Information			
Filler / Reinforcement	Glass Bead\Glass Fiber,30% Filler by Weight		
Features	Good Electrical Properties		
Appearance	Grey		
Processing Method	Injection Molding		
Resin ID (ISO 1043)	>PA6 GF10+GB20<		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.34	g/cm <sup>3</sup>	ASTM D792
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	115	MPa	ASTM D638
Tensile Elongation (Break)	3.4	%	ASTM D638
Flexural Modulus	5800	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	45	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	198	°C	ASTM D648
Melting Temperature	210 to 225	°C	ASTM D2117
Injection	Nominal Value	Unit	
Drying Temperature	90.0	°C	
Drying Time	4.0	hr	
Processing (Melt) Temp	230 to 250	°C	
Mold Temperature	70.0 to 90.0	°C	

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