

# Nypol® PA B3 T10 TZ PRTA011 NT382

Polyamide 6

Petropol Industry and Trade of Polymers LTDA

Message:

Polyamide 6 in black color with 10% of mineral reinforced tenacious. Good set of thermal properties, lubricated, electrical and mechanical. Ideal for injection molding.

General Information			
Filler / Reinforcement	Mineral,10% Filler by Weight		
Additive	Lubricant		
Features	Lubricated		
Appearance	Black		
Processing Method	Injection Molding		
Resin ID (ISO 1043)	>PA 6 MD10<		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.25	g/cm³	ASTM D792
Molding Shrinkage - Flow	0.80	%	ASTM D955
Water Absorption (Equilibrium)	0.15	%	ASTM D570
Ash Content	8.0 to 12	%	ASTM D2584
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	90.0	MPa	ASTM D638
Tensile Elongation (Break)	8.0	%	ASTM D638
Flexural Modulus	4000	MPa	ASTM D790
Flexural Strength	90.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	50	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	200	°C	ASTM D648
Melting Temperature	210 to 225	°C	ASTM D2117
Flammability	Nominal Value	Test Method	
Flame Rating	HB	UL 94	
Injection	Nominal Value	Unit	
Drying Temperature	90.0	°C	
Drying Time	3.0	hr	
Suggested Max Moisture	0.20	%	
Processing (Melt) Temp	250 to 270	°C	
Mold Temperature	50.0 to 70.0	°C	

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