

Nypol® PA B3 T30 NTLA010 NT314

Polyamide 6

Petropol Industry and Trade of Polymers LTDA

Message:

Polyamide 6 natural with 63% of mineral reinforced. Good set of thermal properties, lubricated, electrical and mechanical. Ideal for injection molding.

General Information				
Filler / Reinforcement	Mineral,63% Filler by Weight			
Additive	Lubricant			
Features	Lubricated			
Processing Method	Injection Molding			
Resin ID (ISO 1043)	>PA 6 MD30<			
Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.35 to 1.36	--	g/cm ³	ASTM D792
Water Absorption (Equilibrium)	0.70 to 1.1	--	%	ASTM D570
Ash Content	28 to 32	--	%	ASTM D2584
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Strength	80.0	50.0	MPa	ASTM D638
Tensile Elongation (Break)	6.0	19	%	ASTM D638
Flexural Modulus	5500	2500	MPa	ASTM D790
Flexural Strength	115	60.0	MPa	ASTM D790
Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact	60	100	J/m	ASTM D256
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	130	--	°C	ASTM D648
Melting Temperature	210 to 225	--	°C	ASTM D2117
Injection	Dry	Unit		
Drying Temperature	90.0	°C		
Drying Time	3.0	hr		
Suggested Max Moisture	0.20	%		
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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