

Nypol® PA B2 G30 UV BRC0001 NT207

Polyamide 6

Petropol Industry and Trade of Polymers LTDA

Message:

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

General Information				
Filler / Reinforcement		Glass Fiber,30% Filler by Weight		
Additive		Lubricant		
Features		Good Electrical Properties		
		Good UV Resistance		
Appearance		Natural Color		
Processing Method		Injection Molding		
Resin ID (ISO 1043)		>PA6 30GF<		
Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.36 to 1.38	--	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.30 to 0.50	--	%	ASTM D955
Water Absorption (Equilibrium)	1.0	--	%	ASTM D570
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Strength	127	100	MPa	ASTM D638
Tensile Elongation (Break)	3.0	4.0	%	ASTM D638
Flexural Modulus	6900	3700	MPa	ASTM D790
Flexural Strength	210	180	MPa	ASTM D790
Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact	92	120	J/m	ASTM D256
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	180	--	°C	ASTM D648
Vicat Softening Temperature	210	--	°C	ASTM D1525 ¹
Peak Melting Temperature	215 to 220	--	°C	ASTM D2117
Injection	Dry	Unit		
Drying Temperature	90.0	°C		
Drying Time	2.0	hr		
Suggested Max Moisture	0.20	%		
Processing (Melt) Temp	220 to 240	°C		
Mold Temperature	40.0 to 80.0	°C		
NOTE				

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Recommended distributors for this material

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