

Nypol® PA A1 G30 PRTA011 NR105

Polyamide 66

Petropol Industry and Trade of Polymers LTDA

Message:

Polyamide 6.6 in black color with 30% fiber glass,excellent dimensional stability, good set of thermal properties, electrical and mechanical. Ideal for injection molding.

General Information				
Filler / Reinforcement	Glass Fiber,30% Filler by Weight			
Features	Good Dimensional Stability			
Appearance	Black			
Processing Method	Injection Molding			
Resin ID (ISO 1043)	>PA 6.6+GF30<			
Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.30 to 1.37	--	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.30 to 0.80	--	%	ASTM D955
Water Absorption (Equilibrium)	0.70	--	%	ASTM D570
Ash Content	28 to 32	--	%	ASTM D2584
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	4280	--	MPa	ASTM D638
Tensile Strength	120	97.0	MPa	ASTM D638
Tensile Elongation (Break)	3.5	4.0	%	ASTM D638
Flexural Strength	198	168	MPa	ASTM D790
Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact (23°C)	63	71	J/m	ASTM D256
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	250	--	°C	ASTM D648
Vicat Softening Temperature	245	--	°C	ASTM D1525 ¹
Melting Temperature	250 to 265	--	°C	ASTM D2117
Flammability	Dry	Conditioned	Test Method	
Flame Rating	V-2	--	UL 94	
Injection	Dry	Unit		
Drying Temperature	90.0		°C	
Drying Time	3.0		hr	
Suggested Max Moisture	0.020		%	
Processing (Melt) Temp	260 to 280		°C	
Mold Temperature	70.0 to 100		°C	

NOTE

1. Loading 2 (50 N)

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Recommended distributors for this material

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