

# Nypol® PA A3 G30 AML0254 NR396

Polyamide 66

Petropol Industry and Trade of Polymers LTDA

Message:

Polyamide 6.6 in color yellow reinforced with 30% of fiberglass, good set of thermal and mechanical properties. Ideal for injection molding.

General Information				
Filler / Reinforcement		Glass Fiber,30% Filler by Weight		
Appearance		Yellow		
Processing Method		Injection Molding		
Resin ID (ISO 1043)		>PA 6.6 GF30<		
Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.36 to 1.38	--	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	0.30	--	%	ASTM D955
Water Absorption (Equilibrium)	0.60	--	%	ASTM D570
Ash Content	28 to 32	--	%	ASTM D2584
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Strength	200	135	MPa	ASTM D638
Tensile Elongation (Break)	3.2	5.0	%	ASTM D638
Flexural Modulus	12200	6500	MPa	ASTM D790
Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact (23°C)	110	140	J/m	ASTM D256
Unnotched Izod Impact (-30°C)	No Break	700 J/m		ASTM D256
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	250	--	°C	ASTM D648
Melting Temperature	250 to 265	--	°C	ASTM D2117
Flammability	Dry	Conditioned	Test Method	
Flame Rating	HB	--	UL 94	
Injection	Dry	Unit		
Drying Temperature	90.0		°C	
Drying Time	4.0		hr	
Suggested Max Moisture	0.20		%	
Processing (Melt) Temp	270 to 285		°C	
Mold Temperature	80.0 to 90.0		°C	

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Recommended distributors for this material

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