

Nypol® PA A3 G10 N8 NTLA014 NR386

Polyamide 66

Petropol Industry and Trade of Polymers LTDA

Message:

Polyamide 6.6 natural reinforced with 10% of fiberglass and 8% graphite, good set of thermal and mechanical properties. Ideal for injection molding.

General Information				
Filler / Reinforcement		Glass Fiber,10% Filler by Weight Graphite Powder,8.0% Filler by Weight		
Appearance		Natural Color		
Processing Method		Injection Molding		
Resin ID (ISO 1043)		>PA 6.6 GF10<		
Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.20 to 1.24	--	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.70 to 1.2	--	%	ASTM D955
Water Absorption (Equilibrium)	1.7	--	%	ASTM D570
Ash Content				
Fiberglass	8.0 to 12	--	%	ASTM D2584
Graphite	6.00 to 10.0	--		
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Strength	120	85.0	MPa	ASTM D638
Tensile Elongation (Break)	3.0	7.0	%	ASTM D638
Flexural Modulus	4900	2770	MPa	ASTM D790
Flexural Strength	167	--	MPa	ASTM D790
Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact	50	55	J/m	ASTM D256
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	240	--	°C	ASTM D648
Melting Temperature	250 to 265	--	°C	ASTM D2117
Electrical	Dry	Conditioned	Unit	Test Method
Volume Resistivity	1.0E+14	1.0E+13	ohms · cm	ASTM D257
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating	HB	--		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

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Recommended distributors for this material

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