

Nypol® PA A3 G20 PRTA011 NR383 MSP

Polyamide 66

Petropol Industry and Trade of Polymers LTDA

Message:

Polyamide 6.6 in black color reinforced with 20% of fiberglass, good set of thermal and mechanical properties. Ideal for injection molding.

General Information				
Filler / Reinforcement		Glass Fiber,20% Filler by Weight		
Appearance		Black		
Processing Method		Injection Molding		
Resin ID (ISO 1043)		>PA 6.6 GF20<		
Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.27 to 1.31	--	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.60 to 0.90	--	%	ASTM D955
Water Absorption (Equilibrium)	1.3	--	%	ASTM D570
Ash Content	18 to 22	--	%	ASTM D2584
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Strength	150	100	MPa	ASTM D638
Tensile Elongation (Break)	3.0	4.0	%	ASTM D638
Flexural Modulus	5300	3000	MPa	ASTM D790
Flexural Strength	190	140	MPa	ASTM D790
Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact	60	70	J/m	ASTM D256
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	238	--	°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	0.20		%	
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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