

# Nypol® PA A3 T20 G10 NTAL010 NR460 MSP

Polyamide 66

Petropol Industry and Trade of Polymers LTDA

Message:

Polyamide 6.6 natural with 20% of mineral reinforced and 10% glass fiber. Ideal for injection molding, good set of thermal properties, electrical and mechanical.

General Information			
Filler / Reinforcement	Glass Fiber,10% Filler by Weight		
	Mineral,20% Filler by Weight		
Features	Good Electrical Properties		
Appearance	Natural Color		
Processing Method	Injection Molding		
Resin ID (ISO 1043)	>PA 6.6 MD20 GF10<		
Physical	Nominal Value	Unit	Test Method
Density	1.37	g/cm <sup>3</sup>	ASTM D1505
Molding Shrinkage - Flow	0.37	%	ASTM D955
Ash Content			ASTM D2584
Glass Fiber	8.0 to 12	%	
Talc	18 to 22	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	105	MPa	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Modulus	8320	MPa	ASTM D790
Flexural Strength	155	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	50	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	250 to 265	°C	ASTM D2117
Flammability	Nominal Value	Test Method	
Flame Rating	HB	UL 94	
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.20	%	
Processing (Melt) Temp	260 to 280	°C	
Mold Temperature	50.0 to 70.0	°C	

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Recommended distributors for this material

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