

Nypol® PA A3 G23 AZL0300 NR400

Polyamide 66

Petropol Industry and Trade of Polymers LTDA

Message:

Polyamide 6.6 in color blue with 23% of reinforced fiberglass. Ideal for injection molding, good set of thermal properties, electrical and mechanical.

General Information			
Filler / Reinforcement	Glass Fiber,23% Filler by Weight		
Features	Good Electrical Properties		
Appearance	Blue		
Processing Method	Injection Molding		
Resin ID (ISO 1043)	>PA 66 GF23<		
Physical	Nominal Value	Unit	Test Method
Density	1.56	g/cm³	ASTM D1505
Molding Shrinkage - Flow	0.30	%	ASTM D955
Ash Content	21 to 25	%	ASTM D2584
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	120		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	134	MPa	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Modulus	7240	MPa	ASTM D790
Flexural Strength	179	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	100	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	241	°C	ASTM D648
Melting Temperature	250 to 265	°C	ASTM D2117
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+13	ohms · cm	ASTM D257
Dielectric Strength	17	kV/mm	ASTM D149
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	80.0 to 100	°C	

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