

Nypol® PA A3 T15 CNZ0093 NR331

Polyamide 66

Petropol Industry and Trade of Polymers LTDA

Message:

Polyamide 6.6 in color gray with 15% of mineral reinforced. Ideal for injection molding, good set of thermal properties, electrical and mechanical.

General Information			
Filler / Reinforcement	Mineral,15% Filler by Weight		
Features	Good Electrical Properties		
Appearance	Grey		
Processing Method	Injection Molding		
Resin ID (ISO 1043)	>PA 6.6 MD15<		
Physical	Nominal Value	Unit	Test Method
Density	1.24	g/cm ³	ASTM D1505
Molding Shrinkage - Flow	1.1 to 1.4	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.60	%	ASTM D570
Ash Content	13 to 17	%	ASTM D2584
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	115		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	55.0	MPa	ASTM D638
Tensile Elongation (Break)	20	%	ASTM D638
Flexural Modulus	2500	MPa	ASTM D790
Flexural Strength	78.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	160	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	235	°C	
1.8 MPa, Unannealed	175	°C	
Melting Temperature	250 to 265	°C	ASTM D2117
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	90.0	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.20	%	
Processing (Melt) Temp	260 to 280	°C	
Mold Temperature	50.0 to 80.0	°C	

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Recommended distributors for this material

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