

Nypol® PA A3 G43 HS UV RH PRTA011 NR424

Polyamide 66

Petropol Industry and Trade of Polymers LTDA

Message:

Polyamide 6.6 in black color, reinforced with 43% of fiberglass, resistant to hydrolysis and UV, heat stabilized, ideal for injection molding, good set of thermal properties, electrical and mechanical.

General Information			
Filler / Reinforcement	Glass Fiber,43% Filler by Weight		
Features	Good Electrical Properties		
	Good UV Resistance		
	Heat Stabilized		
	Hydrolysis Resistant		
Appearance	Black		
Processing Method	Injection Molding		
Resin ID (ISO 1043)	>PA 6 GF43<		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.50	g/cm ³	ASTM D792
Ash Content	41 to 45	%	ASTM D2584
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	11000	MPa	ASTM D638
Tensile Strength	210	MPa	ASTM D638
Tensile Elongation (Break)	2.7	%	ASTM D638
Flexural Strength	296	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	130	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	252	°C	ASTM D648
Peak Melting Temperature	262 to 264	°C	ASTM D2117
Flammability	Nominal Value	Test Method	
Flame Rating	HB	UL 94	
Injection	Nominal Value	Unit	
Drying Temperature	90.0	°C	
Drying Time	6.0	hr	
Suggested Max Moisture	0.20	%	
Processing (Melt) Temp	290 to 305	°C	
Mold Temperature	80.0 to 120	°C	

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Recommended distributors for this material

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