

Nypol® PA B3 G35 HS PRTA011 NT391 MSP

Polyamide 6

Petropol Industry and Trade of Polymers LTDA

Message:

Polyamide 6 in black color reinforced with 35% of fiberglass, good set of thermal properties, electrical and mechanical. Ideal for injection molding.

General Information				
Filler / Reinforcement	Glass Fiber,35% Filler by Weight			
Features	Good Electrical Properties			
Appearance	Black			
Processing Method	Injection Molding			
Resin ID (ISO 1043)	>PA 6 GF35<			
Physical	Dry	Conditioned	Unit	Test Method
Density	1.38	--	g/cm ³	ISO 1183
Molding Shrinkage - Flow (3.20 mm)	0.30	--	%	ISO 294-4
Water Absorption (Equilibrium, 23°C, 50% RH)	0.90	--	%	ISO 62
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Stress (Break)	190	110	MPa	ISO 527-2
Tensile Strain (Break)	2.5	3.5	%	ISO 527-2
Flexural Modulus	10400	6700	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact Strength	14	25	kJ/m ²	ISO 180/1A
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	210	--	°C	ISO 75-2/A
Melting Temperature (DSC)	220	--	°C	ISO 3146
Injection	Dry	Unit		
Drying Temperature	80.0		°C	
Drying Time	6.0		hr	
Processing (Melt) Temp	230 to 240		°C	
Mold Temperature	100		°C	

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