

Nypol® PA B3 G60 PRTA011 NT330

Polyamide 6

Petropol Industry and Trade of Polymers LTDA

Message:

Polyamide 6 in black color reinforced with 60% of fiberglass, high stiffness, high dimensional stability and excellent surface appearance of the molded part. With all these features, the product provides easy processing and easy filling cavities

General Information				
Filler / Reinforcement		Glass Fiber,60% Filler by Weight		
Features		Good Dimensional Stability		
		Good Moldability		
		Good Processability		
		High Stiffness		
		Pleasing Surface Appearance		
Appearance		Black		
Processing Method		Injection Molding		
Resin ID (ISO 1043)		>PA 6 GF60<		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.63	--	g/cm ³	ISO 1183/A
Molding Shrinkage	0.10	--	%	ISO 294-4
Water Absorption (23°C, 24 hr)	0.52	--	%	ISO 62
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	20000	15300	MPa	ISO 527-2/1A
Tensile Stress (Yield)	240	160	MPa	ISO 527-2/1A
Tensile Strain (Break)	2.4	3.6	%	ISO 527-2/1A
Flexural Modulus	18800	13000	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact Strength	14	20	kJ/m ²	ISO 180/1A
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	215	--	°C	ISO 75-2/Af
Melting Temperature	220	--	°C	ISO 11357-3
Injection	Dry	Unit		
Drying Temperature	90.0	°C		
Drying Time	3.0	hr		
Rear Temperature	220	°C		
Middle Temperature	230	°C		
Front Temperature	240	°C		

Nozzle Temperature	235	°C
Mold Temperature	80.0	°C

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