

Nypol® PA A3 G30 PRTA011 NR398

Polyamide 66

Petropol Industry and Trade of Polymers LTDA

Message:

Black polyamide 6.6 with 30% glass fiber. Good set of thermal, electric and mechanical properties. Ideal for injection molding.

General Information				
Filler / Reinforcement		Glass Fiber,30% Filler by Weight		
Features		Good Electrical Properties		
Appearance		Black		
Processing Method		Injection Molding		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.36 to 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)	0.60	--	%	ISO 62
Relative Viscosity ¹	46.0 to 52.0	--		
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Stress (Break)	200	135	MPa	ISO 527-2
Tensile Strain (Break)	3.2	5.0	%	ISO 527-2
Flexural Modulus	12200	6500	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength (23°C)	12	16	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (-30°C)	--	70	kJ/m ²	ISO 179/1eU
Notched Izod Impact Strength (23°C)	11	14	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength (-30°C)	--	70	kJ/m ²	ISO 180/1U
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	250	--	°C	ISO 75-2/A
Melting Temperature (DSC)	250 to 260	--	°C	ISO 3146
Injection	Dry	Unit		
Drying Temperature	90.0		°C	
Drying Time	4.0		hr	
Processing (Melt) Temp	270 to 285		°C	
Mold Temperature	80.0 to 90.0		°C	
NOTE				
1.	Formic Acid			

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