

Nypol® PA B3 G15 HL TZ PRTA010 NT333

Polyamide 6
Petropol Industry and Trade of Polymers LTDA

Message:
Nypol® PA B3 G15 HL TZ PRTA010 NT333 is a Polyamide 6 (Nylon 6) material filled with 15% glass fiber. It is available in Asia Pacific, Europe, Latin America, or North America for injection molding. Primary attribute of Nypol® PA B3 G15 HL TZ PRTA010 NT333: Impact Resistant.

General Information				
Filler / Reinforcement		Glass Fiber,15% Filler by Weight		
Features		Good Electrical Properties		
		Good Impact Resistance		
Appearance		Black		
Processing Method		Injection Molding		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.20 to 1.23	--	g/cm ³	ISO 1183
Molding Shrinkage - Across Flow (2.00 mm)	0.60 to 0.70	--	%	ISO 294-4
Water Absorption (23°C, 24 hr)	1.1	--	%	ISO 62
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Stress (Yield)	111	50.0	MPa	ISO 527-2
Tensile Strain (Break)	3.0	7.0	%	ISO 527-2
Flexural Modulus	5450	3200	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Unnotched Impact Strength (23°C)	11	14	kJ/m ²	ISO 179/1eU
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	200	--	°C	ISO 75-2/Af
Melting Temperature	219 to 222	--	°C	ISO 11357-3
Injection	Dry	Unit		
Drying Temperature	80.0	°C		
Drying Time	4.0	hr		
Suggested Max Moisture	0.020	%		
Processing (Melt) Temp	220 to 240	°C		
Mold Temperature	40.0 to 80.0	°C		

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