

Nypol® PA B3 G20 HL CNZ0252 NT345

Polyamide 6

Petropol Industry and Trade of Polymers LTDA

Message:

Nypol® PA B3 G20 HL CNZ0252 NT345 is a Polyamide 6 (Nylon 6) material filled with 20% glass fiber. It is available in Asia Pacific, Europe, Latin America, or North America for injection molding.

General Information				
Filler / Reinforcement		Glass Fiber,20% Filler by Weight		
Features		Good Electrical Properties		
Appearance		Grey		
Processing Method		Injection Molding		
Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.25 to 1.27	--	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.40 to 0.60	--	%	ASTM D955
Water Absorption (24 hr)	1.0	--	%	ASTM D570
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Strength	120	80.0	MPa	ASTM D638
Tensile Elongation (Break)	4.0	6.0	%	ASTM D638
Flexural Modulus	6050	3600	MPa	ASTM D790
Flexural Strength	195	110	MPa	ASTM D790
Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact	90	160	J/m	ASTM D256
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	180	--	°C	ASTM D648
Melting Temperature	215 to 220	--	°C	ASTM D2117
Injection	Dry	Unit		
Drying Temperature	90.0		°C	
Drying Time	2.0		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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Recommended distributors for this material

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