

Nypol® PA B3 G5 BRC0001 NT312

Polyamide 6

Petropol Industry and Trade of Polymers LTDA

Message:

Nypol® PA B3 G5 BRC0001 NT312 is a Polyamide 6 (Nylon 6) material filled with 5.0% glass fiber. It is available in Asia Pacific, Europe, Latin America, or North America for injection molding.

General Information				
Filler / Reinforcement		Glass Fiber,5.0% Filler by Weight		
Features		Good Electrical Properties		
Appearance		White		
Processing Method		Injection Molding		
Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.16	--	g/cm ³	ASTM D792
Molding Shrinkage - Flow	1.1 to 1.2	--	%	ASTM D955
Water Absorption (24 hr)	1.3	--	%	ASTM D570
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Strength	85.0	55.0	MPa	ASTM D638
Tensile Elongation (Break)	6.5	8.0	%	ASTM D638
Flexural Modulus	3600	2400	MPa	ASTM D790
Flexural Strength	150	80.0	MPa	ASTM D790
Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact	60	130	J/m	ASTM D256
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	140	--	°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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