

Nypol® PA A3 G33 BRC0001 NR379

Polyamide 66

Petropol Industry and Trade of Polymers LTDA

Message:

Nypol® PA A3 G33 BRC0001 NR379 is a Polyamide 66 (Nylon 66) material filled with 33% glass fiber. It is available in Asia Pacific, Europe, Latin America, or North America for injection molding. Primary attribute of Nypol® PA A3 G33 BRC0001 NR379: Flame Rated.

General Information				
Filler / Reinforcement		Glass Fiber,33% Filler by Weight		
Features		Hydrolysis Resistant		
Appearance		White		
Processing Method		Injection Molding		
Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.38	--	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.30 to 0.70	--	%	ASTM D955
Water Absorption (24 hr)	1.3	--	%	ASTM D570
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Strength	175	125	MPa	ASTM D638
Tensile Elongation (Break)	3.0	4.0	%	ASTM D638
Flexural Modulus	10300	7000	MPa	ASTM D790
Flexural Strength	260	--	MPa	ASTM D790
Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact	80	110	J/m	ASTM D256
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	238	--	°C	ASTM D648
Melting Temperature	250 to 260	--	°C	ASTM D2117
Electrical	Dry	Conditioned	Unit	Test Method
Volume Resistivity	1.0E+14	1.0E+13	ohms·cm	ASTM D257
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating	HB	--		UL 94
Injection	Dry	Unit		
Drying Temperature	80.0		°C	
Drying Time	4.0		hr	
Suggested Max Moisture	0.20		%	
Processing (Melt) Temp	270 to 285		°C	
Mold Temperature	100		°C	

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Recommended distributors for this material

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