

# Nypol® PA A3 G15 MEV15 CNZ0247 NR381

Polyamide 66

Petropol Industry and Trade of Polymers LTDA

Message:

Nypol® PA A3 G15 MEV15 CNZ0247 NR381 is a Polyamide 66 (Nylon 66) material filled with 15% glass bead and 15% glass fiber. It is available in Asia Pacific, Europe, Latin America, or North America for injection molding.

Important attributes of Nypol® PA A3 G15 MEV15 CNZ0247 NR381 are:

Flame Rated

Good Aesthetics

General Information				
Filler / Reinforcement		Glass Bead,15% Filler by Weight		
		Glass Fiber,15% Filler by Weight		
Features		Pleasing Surface Appearance		
Appearance		Grey		
Processing Method		Injection Molding		
Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.38	--	g/cm <sup>3</sup>	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	140	115	MPa	ASTM D638
Tensile Elongation (Break)	4.0	5.0	%	ASTM D638
Flexural Modulus	10000	7000	MPa	ASTM D790
Flexural Strength	238	205	MPa	ASTM D790
Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact	80	90	J/m	ASTM D256
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	238	--	°C	ASTM D648
Melting Temperature	255	--	°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	90.0		°C	
Drying Time	3.0		hr	
Suggested Max Moisture	0.020		%	
Processing (Melt) Temp	260 to 280		°C	

Mold Temperature	70.0 to 100	°C
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#### Recommended distributors for this material

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