

Nypol® PA A2 G33 M3 NTLA014 NR203 MSP

Polyamide 66

Petropol Industry and Trade of Polymers LTDA

Message:

Reinforced polyamide 6.6 with 33% glass fiber, lubricated with 1.5 to 2% of molybdenum disulphide (MoS 2).
Good set of thermal and mechanical properties. Ideal for injection molding.

General Information				
Filler / Reinforcement		Glass Fiber,33% Filler by Weight		
Additive		Molybdenum Disulfide Lubricant (2%)		
Features		Lubricated		
Processing Method		Injection Molding		
Resin ID (ISO 1043)		>PA66 GF33<		
Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.35 to 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	160	125	MPa	ASTM D638
Tensile Elongation (Break)	3.0	4.0	%	ASTM D638
Flexural Modulus	10300	7000	MPa	ASTM D790
Flexural Strength	238	205	MPa	ASTM D790
Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact	75	90	J/m	ASTM D256
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	240	--	°C	ASTM D648
Peak 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	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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