

Nypol® PA A3 G15 P7 M1 S1 NTLA014 NR335

Polyamide 66

Petropol Industry and Trade of Polymers LTDA

Message:

Polyamide 6.6 natural reinforced with 15% of fiberglass, 7% PTFE, lubricated with molybdenum disulfide and silicon, good set of thermal and mechanical properties. Ideal for injection molding.

General Information				
Filler / Reinforcement		Glass Fiber,15% Filler by Weight		
Additive		Molybdenum Disulfide Lubricant		
		PTFE Lubricant (7%)		
		Silicone Lubricant		
Features		Lubricated		
Processing Method		Injection Molding		
Resin ID (ISO 1043)		>PA 6.6 GF15<		
Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.35	--	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.60 to 0.90	--	%	ASTM D955
Water Absorption (Equilibrium)	1.3	--	%	ASTM D570
Ash Content	13 to 17	--	%	ASTM D2584
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Strength	120	90.0	MPa	ASTM D638
Tensile Elongation (Break)	3.5	8.0	%	ASTM D638
Flexural Modulus	4900	2700	MPa	ASTM D790
Flexural Strength	165	115	MPa	ASTM D790
Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact	42	50	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 265	--	°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	V-0	--		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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