

# Nypol® PA A3 G25 HS UV RH NTLA013 NR431

Polyamide 66

Petropol Industry and Trade of Polymers LTDA

## Message:

Polyamide 6.6 slightly greenish natural reinforced with 25% of fiberglass, resistance to hydrolysis and UV. Good set of thermal properties, electrical and mechanical. Ideal pair injection molding.

General Information				
Filler / Reinforcement	Glass Fiber,25% Filler by Weight			
Additive	Hydrolysis Resistant UV Stabilizer			
Features	Good Electrical Properties Good UV Resistance Hydrolysis Resistant			
Appearance	Green			
Processing Method	Injection Molding			
Resin ID (ISO 1043)	>PA 6.6 GF25<			
Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.32	--	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	0.60 to 0.90	--	%	ASTM D955
Water Absorption (Equilibrium)	1.3	--	%	ASTM D570
Ash Content	23 to 27	--	%	ASTM D2584
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Strength	130	103	MPa	ASTM D638
Tensile Elongation (Break)	3.5	4.0	%	ASTM D638
Flexural Modulus	5300	3000	MPa	ASTM D790
Flexural Strength	190	140	MPa	ASTM D790
Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact	60	70	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
Flammability	Dry	Conditioned	Test Method	
Flame Rating	HB	--	UL 94	
Injection	Dry	Unit		
Drying Temperature	90.0		°C	

Drying Time	3.0	hr
Suggested Max Moisture	0.20	%
Processing (Melt) Temp	260 to 280	°C
Mold Temperature	70.0 to 100	°C

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