

Nypol® PA A3 G35 HS UV RH PRTA010 NR346

Polyamide 66

Petropol Industry and Trade of Polymers LTDA

Message:

Polyamide 6.6 black reinforced with 35% of fiberglass and heat stabilized, UV and hydrolisis and glycol resistance. Good set of thermal and mechanical properties. Ideal for injection molding.

General Information			
Filler / Reinforcement	Glass Fiber,35% Filler by Weight		
Additive	Heat Stabilizer		
Features	Glycol Resistant		
	Good UV Resistance		
	Heat Stabilized		
	Hydrolysis Resistant		
Appearance	Black		
Processing Method	Injection Molding		
Resin ID (ISO 1043)	>PA 6.6 GF35<		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.41	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.20 to 0.45	%	ASTM D955
Water Absorption (Equilibrium)	5.0	%	ASTM D570
Ash Content	33 to 37	%	ASTM D2584
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, 23°C)	120		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	175	MPa	ASTM D638
Tensile Elongation (Break)	2.8	%	ASTM D638
Flexural Modulus	10300	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	110	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	250	°C	ASTM D648
Melting Temperature	261	°C	ASTM D2117
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+13	ohms	ASTM D257
Volume Resistivity	1.0E+15	ohms · cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
Injection	Nominal Value	Unit	

Drying Temperature	90.0	°C
Drying Time	3.0	hr
Suggested Max Moisture	0.020	%
Processing (Melt) Temp	270 to 295	°C
Mold Temperature	80.0 to 120	°C

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Recommended distributors for this material

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