

Nypol® PA A3 G50 HS NTLA013 NR356

Polyamide 66

Petropol Industry and Trade of Polymers LTDA

Message:

Polyamide 6.6 Natural reinforced with 50% fiberglass, thermally stable, good set of thermal and mechanical properties. Ideal for injection molding.

General Information			
Filler / Reinforcement	Glass Fiber,50% Filler by Weight		
Features	Good Thermal Stability		
Appearance	Natural Color		
Processing Method	Injection Molding		
Resin ID (ISO 1043)	>PA 66 GF50<		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.56	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.20 to 0.30	%	ASTM D955
Water Absorption (24 hr)	1.3	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	246	MPa	ASTM D638
Tensile Elongation (Break)	2.2	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	120	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	238	°C	ASTM D648
Melting Temperature	260	°C	ASTM D2117
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+16	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 280	°C	
Mold Temperature	70.0 to 100	°C	

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

