

# Nypol® PA A2 G30 NTLA011 NR245

Polyamide 66

Petropol Industry and Trade of Polymers LTDA

## Message:

Polyamide 6.6 natural with 30% fiber glass,excellent dimensional stability, good set of thermal properties, electrical and mechanical. Ideal for injection molding.

General Information				
Filler / Reinforcement	Glass Fiber,30% Filler by Weight			
Features	Good Dimensional Stability			
	Good Electrical Properties			
Appearance	Natural Color			
Processing Method	Injection Molding			
Resin ID (ISO 1043)	>PA 6.6+GF30<			
Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.30 to 1.37	--	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	0.30 to 0.80	--	%	ASTM D955
Water Absorption (Equilibrium)	0.70	--	%	ASTM D570
Ash Content	28 to 32	--	%	ASTM D2584
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	6000	4280	MPa	ASTM D638
Tensile Strength	120	97.0	MPa	ASTM D638
Tensile Elongation (Break)	3.5	4.0	%	ASTM D638
Flexural Strength	198	168	MPa	ASTM D790
Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact (23°C)	63	71	J/m	ASTM D256
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	250	--	°C	ASTM D648
Vicat Softening Temperature	245	--	°C	ASTM D1525 <sup>1</sup>
Melting Temperature	250 to 265	--	°C	ASTM D2117
Flammability	Dry	Conditioned	Test Method	
Flame Rating	V-2	--	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
NOTE		
1.	Loading 2 (50 N)	

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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

