

Nypol® PA B3 G30 UV HS NTLA010 NT311

Polyamide 6

Petropol Industry and Trade of Polymers LTDA

Message:

Polyamide 6 natural reinforced with 30% of fiberglass,UV protection, good set of thermal properties, electrical and mechanical. Ideal for injection molding.

General Information				
Filler / Reinforcement	Glass Fiber,30% Filler by Weight			
Additive	UV Stabilizer			
Appearance	Natural Color			
Processing Method	Injection Molding			
Resin ID (ISO 1043)	>PA 6 GF30<			
Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.36 to 1.38	--	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.30 to 0.50	--	%	ASTM D955
Water Absorption (Equilibrium)	1.0	--	%	ASTM D570
Ash Content	28 to 32	--	%	ASTM D2584
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Strength	140	115	MPa	ASTM D638
Tensile Elongation (Break)	4.0	5.0	%	ASTM D638
Flexural Modulus	7900	4700	MPa	ASTM D790
Flexural Strength	220	190	MPa	ASTM D790
Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact	120	180	J/m	ASTM D256
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	180	--	°C	ASTM D648
Vicat Softening Temperature	210	--	°C	ASTM D1525 ¹
Melting Temperature	210 to 225	--	°C	ASTM D2117
Injection	Dry	Unit		
Drying Temperature	90.0		°C	
Drying Time	2.0		hr	
Suggested Max Moisture	0.020		%	
Processing (Melt) Temp	220 to 240		°C	
Mold Temperature	40.0 to 80.0		°C	
NOTE				

1. Rate A (50°C/h)

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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

