

Nypol® PA B3 G15 NTLA010 NT317

Polyamide 6

Petropol Industry and Trade of Polymers LTDA

Message:

Polyamide 6 natural reinforced with 15% of fiberglass, good set of thermal properties, electrical and mechanical. Ideal for injection molding.

General Information				
Filler / Reinforcement		Glass Fiber,15% Filler by Weight		
Appearance		Natural Color		
Processing Method		Injection Molding		
Resin ID (ISO 1043)		>PA 6 GF15<		
Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.20 to 1.23	--	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.65 to 0.85	--	%	ASTM D955
Water Absorption (Equilibrium)	1.1	--	%	ASTM D570
Ash Content	13 to 17	--	%	ASTM D2584
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Strength	113	75.0	MPa	ASTM D638
Tensile Elongation (Break)	5.0	7.5	%	ASTM D638
Flexural Modulus	5100	3300	MPa	ASTM D790
Flexural Strength	173	90.0	MPa	ASTM D790
Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact	80	150	J/m	ASTM D256
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	165	--	°C	ASTM D648
Melting Temperature	210 to 225	--	°C	ASTM D2117
Flammability	Dry	Conditioned	Test Method	
Flame Rating	HB	--	UL 94	
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	

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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

