

# Nypol® PA B3 G10 V10 NTLA010 NT309

Polyamide 6

Petropol Industry and Trade of Polymers LTDA

## Message:

Polyamide 6 natural reinforced with 10% of fiberglass and 10% of glass microsphere, good set of thermal properties, electrical and mechanical. Ideal for injection molding.

General Information				
Filler / Reinforcement		Glass Bead,10% Filler by Weight Glass Fiber,10% Filler by Weight		
Appearance		Natural Color		
Processing Method		Injection Molding		
Resin ID (ISO 1043)		>PA 6 GF20<		
Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.19 to 1.21	--	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	0.85 to 1.0	--	%	ASTM D955
Water Absorption (Equilibrium)	1.2	--	%	ASTM D570
Ash Content	18 to 22	--	%	ASTM D2584
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Strength	100	65.0	MPa	ASTM D638
Tensile Elongation (Break)	5.5	8.0	%	ASTM D638
Flexural Modulus	4600	3000	MPa	ASTM D790
Flexural Strength	155	80.0	MPa	ASTM D790
Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact	75	140	J/m	ASTM D256
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	155	--	°C	ASTM D648
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		

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



WECHAT