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/cm³	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	

Recommended distributors for this material

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