Nypol® PA A3 V30 HL PRTA010 NR366

Polyamide 66

Petropol Industry and Trade of Polymers LTDA

Message:

Polyamide 6.6 natural reinforced with 30% glass bead, good set of thermal and mechanical properties such as low warpage, resistance to compression, and excellent surface finish. Ideal for injection molding.

General Information				
Filler / Reinforcement	Glass Bead,30% Filler by Weight			
Features	Good Surface Finish Low Warpage			
Appearance	Natural Color			
Processing Method	Injection Molding			
Resin ID (ISO 1043)	>PA 6.6 GB30<			
Physical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Specific Gravity	1.37	--	g/cm³	ASTM D792
Molding Shrinkage - Flow	0.50 to 0.90	--	%	ASTM D955
Water Absorption (Equilibrium)	0.75	--	%	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)	9.0	12	%	ASTM D638
Flexural Modulus	4500	2500	MPa	ASTM D790
Flexural Strength	238	205	MPa	ASTM D790
Impact	**Dry**	**Conditioned**	**Unit**	**Test Method**
Notched Izod Impact	58	72	J/m	ASTM D256
Thermal	**Dry**	**Conditioned**	**Unit**	**Test Method**
Deflection Temperature Under Load (1.8 MPa, Unannealed)	238	--	°C	ASTM D648
Melting Temperature	250 to 265	--	°C	ASTM D2117
Electrical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Volume Resistivity	1.0E+14	1.0E+13	ohms·cm	ASTM D257
Flammability	**Dry**	**Conditioned**	**Unit**	**Test Method**
Flame Rating	HB	--		UL 94
Injection	**Dry**	**Unit**		
Drying Temperature	90.0		°C	
Drying Time	3.0		hr	
Processing (Melt) Temp	260 to 280		°C	

Mold Temperature	70.0 to 100	°C

Recommended distributors for this material

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