Nypol® PA A3 G25 FR NTLA010 NR443

Polyamide 66

Petropol Industry and Trade of Polymers LTDA

Message:

Polyamide 6.6 natural reinforced with 25% of fiberglass, resistance to hydrolysis and UV. Good set of thermal properties, electrical and mechanical. Ideal pair injection molding.

General Information				
Filler / Reinforcement	Glass Fiber,25% Filler by Weight			
Additive	Hydrolysis Resistant UV Stabilizer			
Features	Good Electrical Properties Good UV Resistance Hydrolysis Resistant			
Appearance	Natural Color			
Processing Method	Injection Molding			
Resin ID (ISO 1043)	>PA 6.6 GF25<			
Physical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Specific Gravity	1.56	--	g/cm³	ASTM D792
Molding Shrinkage - Flow	0.40	--	%	ASTM D955
Water Absorption (Equilibrium)	0.50	--	%	ASTM D570
Ash Content	23 to 27	--	%	ASTM D2584
Mechanical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Tensile Strength	169	134	MPa	ASTM D638
Tensile Elongation (Break)	2.5	4.0	%	ASTM D638
Flexural Modulus	8960	6900	MPa	ASTM D790
Flexural Strength	340	--	MPa	ASTM D790
Impact	**Dry**	**Conditioned**	**Unit**	**Test Method**
Notched Izod Impact	100	110	J/m	ASTM D256
Thermal	**Dry**	**Conditioned**	**Unit**	**Test Method**
Deflection Temperature Under Load (1.8 MPa, Unannealed)	235	--	°C	ASTM D648
Melting Temperature	250 to 265	--	°C	ASTM D2117
Flammability	**Dry**	**Conditioned**		**Test Method**
Flame Rating	V-0	--		UL 94
Injection	**Dry**	**Unit**		
Drying Temperature	90.0		°C	

Drying Time	3.0	hr
Suggested Max Moisture	0.20	%
Processing (Melt) Temp	270 to 290	°C
Mold Temperature	65.0 to 120	°C

Recommended distributors for this material

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