Nypol® PA A3 G50 HS NTLA013 NR402

Polyamide 66

Petropol Industry and Trade of Polymers LTDA

Message:

Polyamide 6.6 natural reinforced with 5% of fiberglass, good set of thermal and mechanical properties. Ideal for injection molding.

General Information			
Filler / Reinforcement	Glass Fiber,5.0% Filler by Weight		
Appearance	Natural Color		
Processing Method	Injection Molding		
Resin ID (ISO 1043)	>PA 6.6 GF5<		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.17	g/cm³	ASTM D792
Molding Shrinkage - Flow	1.5	%	ASTM D955
Water Absorption (Saturation)	1.8	%	ASTM D570
Ash Content	3.0 to 7.0	%	ASTM D2584
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	119		ASTM D785
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength	86.2	MPa	ASTM D638
Tensile Elongation (Break)	3.6	%	ASTM D638
Flexural Modulus	3790	MPa	ASTM D790
Flexural Strength	124	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact	53	J/m	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	255	°C	
1.8 MPa, Unannealed	221	°C	
Melting Temperature	250 to 265	°C	ASTM D2117
Electrical	**Nominal Value**	**Unit**	**Test Method**
Volume Resistivity	1.0E+15	ohms·cm	ASTM D257
Dielectric Strength	19	kV/mm	ASTM D149
Injection	**Nominal Value**	**Unit**	
Drying Temperature	90.0	°C	
Drying Time	3.0	hr	
Suggested Max Moisture	0.020	%	
Processing (Melt) Temp	260 to 285	°C	
Mold Temperature	80.0 to 120	°C	

Recommended distributors for this material

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