Nypol® PA A3 G30 HS UV PRTA011 NR395

Polyamide 66

Petropol Industry and Trade of Polymers LTDA

Message:

Nypol® PA A3 G30 HS UV PRTA011 NR395 is a Polyamide 66 (Nylon 66) material filled with 30% glass fiber. It is available in Asia Pacific, Europe, Latin America, or North America for injection molding.
Important attributes of Nypol® PA A3 G30 HS UV PRTA011 NR395 are:
Good UV Resistance
Heat Stabilizer
UV Stabilized

General Information				
Filler / Reinforcement	Glass Fiber,30% Filler by Weight			
Additive	Heat Stabilizer UV Stabilizer			
Features	Good UV Resistance Heat Stabilized			
Appearance	Black			
Processing Method	Injection Molding			
Physical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Specific Gravity	1.37	--	g/cm³	ASTM D792
Molding Shrinkage - Flow	0.30 to 0.70	--	%	ASTM D955
Water Absorption				ASTM D570
24 hr	0.90	--	%	
Saturation	6.0	--	%	
Mechanical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Tensile Stress (Yield, 23°C)	205	--	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	3.3	--	%	ISO 527-2
Flexural Modulus (23°C)	12900	--	MPa	ISO 178
Impact	**Dry**	**Conditioned**	**Unit**	**Test Method**
Charpy Notched Impact Strength				ISO 179
-40°C	--	9.0	kJ/m²	
23°C	11	--	kJ/m²	
Charpy Unnotched Impact Strength (23°C)	77	--	kJ/m²	ISO 179
Notched Izod Impact Strength				ISO 180
-40°C	--	9.0	kJ/m²	
23°C	11	--	kJ/m²	

Unnotched Izod Impact Strength (23°C)	110	--	kJ/m²	ISO 180
Thermal	**Dry**	**Conditioned**	**Unit**	**Test Method**
Heat Deflection Temperature (1.8 MPa, Unannealed)	245	--	°C	ISO 75-2/A
Melting Temperature (DSC)	255	--	°C	ISO 3146
CLTE				ASTM E831
Flow : -40 to 23°C	2.4E-5	--	cm/cm/°C	
Flow : 23 to 55°C	1.8E-5	--	cm/cm/°C	
Flow : 55 to 160°C	1.3E-5	--	cm/cm/°C	
Transverse : -40 to 23°C	6.5E-5	--	cm/cm/°C	
Transverse : 23 to 55°C	8.3E-5	--	cm/cm/°C	
Transverse : 55 to 160°C	1.4E-4	--	cm/cm/°C	
Electrical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Volume Resistivity				ASTM D257
-40°C	--	1.0E+13	ohms·cm	
23°C	1.0E+14	--	ohms·cm	
Injection	**Dry**	**Unit**		
Drying Temperature	80.0		°C	
Drying Time	4.0		hr	
Suggested Max Moisture	0.020		%	
Processing (Melt) Temp	270 to 290		°C	
Mold Temperature	80.0 to 120		°C	

Recommended distributors for this material

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