Nypol® PA A3 G35 NTLA010 NR451

Polyamide 66

Petropol Industry and Trade of Polymers LTDA

Message:

Polyamide 6.6 natural reinforced with 35% fiberglass, good set of thermal and mechanical properties. Ideal for injection molding.

General Information				
Filler / Reinforcement	Glass Fiber,35% Filler by Weight			
Appearance	Natural Color			
Processing Method	Injection Molding			
Resin ID (ISO 1043)	>PA 66 GF35<			
Physical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Specific Gravity	1.41	--	g/cm³	ASTM D792
Molding Shrinkage - Flow	0.50	--	%	ASTM D955
Water Absorption				ASTM D570
Saturation	5.3	--	%	
Equilibrium	1.7	--	%	
Ash Content	33 to 37	--	%	ASTM D2584
Hardness	**Dry**	**Conditioned**	**Unit**	**Test Method**
Ball Indentation Hardness	280	210	MPa	ISO 2039-1
Mechanical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Tensile Modulus (1°C)	11500	8900	MPa	ASTM D638
Tensile Strength [1]	210	155	MPa	ASTM D638
Tensile Elongation (Break, 5°C)	3.2	4.0	%	ASTM D638
Impact	**Dry**	**Conditioned**	**Unit**	**Test Method**
Charpy Notched Impact Strength (23°C)	15	17	kJ/m²	ISO 179
Charpy Unnotched Impact Strength (23°C)	98	110	kJ/m²	ISO 179
Notched Izod Impact (Area) (23°C)	14.0	18.0	kJ/m²	ASTM D256
Thermal	**Dry**	**Conditioned**	**Unit**	**Test Method**
Deflection Temperature Under Load (1.8 MPa, Unannealed)	254	--	°C	ASTM D648
Vicat Softening Temperature	256	--	°C	ISO 306/B
CLTE				ASTM E831
Flow	2.0E-5	--	cm/cm/°C	
Transverse	1.0E-4	--	cm/cm/°C	
Electrical	**Dry**	**Conditioned**	**Unit**	**Test Method**

Surface Resistivity	1.0E+12	1.0E+10	ohms	IEC 60093
Volume Resistivity	1.0E+15	1.0E+12	ohms·cm	IEC 60093
Dissipation Factor (1 MHz)	0.020	0.15		IEC 60250
Comparative Tracking Index	550	--	V	IEC 60112
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating (0.700 mm)	HB	--		UL 94
Injection	Dry	Unit		
Drying Temperature	90.0		°C	
Drying Time	4.0		hr	
Processing (Melt) Temp	280 to 300		°C	
Mold Temperature	80.0 to 90.0		°C	
NOTE				
1.	5.0 mm/min			

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China