

Nypol® PA A3 G15 HS UV RH NTLA013 NR391

Polyamide 66

Petropol Industry and Trade of Polymers LTDA

Message:

Polyamide 6.6 natural reinforced with 10% of fiberglass, good set of thermal and mechanical properties combined with resistance to hydrolysis and UV resistance. Ideal for injection molding.

General Information				
Filler / Reinforcement		Glass Fiber,10% Filler by Weight		
Additive		Hydrolysis Resistant		
		UV Stabilizer		
Features		Good UV Resistance		
		Hydrolysis Resistant		
Appearance		Natural Color		
Processing Method		Injection Molding		
Resin ID (ISO 1043)		>PA 6.6 GF15<		
Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.20 to 1.23	--	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.60 to 0.90	--	%	ASTM D955
Water Absorption (Equilibrium)	1.3	--	%	ASTM D570
Ash Content	13 to 17	--	%	ASTM D2584
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Strength	122	82.0	MPa	ASTM D638
Tensile Elongation (Break)	3.3	8.0	%	ASTM D638
Flexural Modulus	4760	2730	MPa	ASTM D790
Flexural Strength	166	110	MPa	ASTM D790
Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact	49	55	J/m	ASTM D256
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load				ASTM D648
0.45 MPa, Unannealed	263	--	°C	
1.8 MPa, Unannealed	240	--	°C	
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	80.0	°C
Drying Time	4.0	hr
Suggested Max Moisture	0.20	%
Processing (Melt) Temp	260 to 280	°C
Mold Temperature	80.0 to 100	°C

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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

