

Nypol® PA B3 HS NTLA013 NT323

Polyamide 6

Petropol Industry and Trade of Polymers LTDA

Message:

Polyamide 6 natural, heat stabilized, good set of thermal properties, electrical and mechanical. Ideal for injection molding.

General Information				
Additive	Heat Stabilizer			
Features	Good Electrical Properties			
	Heat Stabilized			
Appearance	Natural Color			
Processing Method	Injection Molding			
Resin ID (ISO 1043)	>PA 6<			
Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.13 to 1.15	--	g/cm ³	ASTM D792
Molding Shrinkage - Flow	1.0 to 1.5	--	%	ASTM D955
Water Absorption (Equilibrium)	1.7	--	%	ASTM D570
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Strength	70.0	60.0	MPa	ASTM D638
Tensile Elongation (Break)	40	110	%	ASTM D638
Flexural Modulus	3000	1500	MPa	ASTM D790
Flexural Strength	100	50.0	MPa	ASTM D790
Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact	60	90	J/m	ASTM D256
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	70.0	--	°C	ASTM D648
Vicat Softening Temperature	205	--	°C	ASTM D1525 ¹
Melting Temperature	210 to 225	--	°C	ASTM D2117
Injection	Dry	Unit		
Drying Temperature	90.0		°C	
Drying Time	2.0		hr	
Processing (Melt) Temp	220 to 240		°C	
Mold Temperature	40.0 to 80.0		°C	
NOTE				

1. Rate A (50°C/h)

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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

