

Nypol® PA B3 HF NTLA010 NT324

Polyamide 6

Petropol Industry and Trade of Polymers LTDA

Message:

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

General Information				
Features		Good Electrical Properties High Flow		
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 Modulus	3500	--	MPa	ASTM D638
Tensile Strength				ASTM D638
Yield	85.0	--	MPa	
--	70.0	60.0	MPa	
Tensile Elongation				ASTM D638
Yield	4.0	--	%	
Break	40	110	%	
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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