

Nypol® PA B3 HF BRC0003 NT336 MSP

Polyamide 6

Petropol Industry and Trade of Polymers LTDA

Message:

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

General Information				
Features		Good electrical performance		
		Good liquidity		
Appearance		White		
Processing Method		Injection molding		
Resin ID (ISO 1043)		>PA 6		
Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.13 - 1.15	--	g/cm ³	ASTM D792
Molding Shrinkage - Flow	1.0 - 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	ASTM D638
--	70.0	60.0	MPa	ASTM D638
Tensile Elongation				ASTM D638
Yield	4.0	--	%	ASTM D638
Fracture	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 - 225	--	°C	ASTM D2117
Injection	Dry	Unit		
Drying Temperature	90.0		°C	
Drying Time				
--	2.0		hr	

Hot air dryer	2.0 - 4.0	hr
Processing (Melt) Temp	220 - 240	°C
Mold Temperature	40.0 - 80.0	°C

Injection instructions

Air Dew Point: <-20°C

NOTE

1. 速率 A (50°C/h)

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