

Nypol® PA B3 HS BLACK NT378

Polyamide 6

Petropol Industry and Trade of Polymers LTDA

Message:

Nylon 6 natural, thermally stabilized, ideal for injection molding, good set of thermal, electrical, and mechanical properties.

General Information				
Additive		Heat Stabilizer		
Features		Good Electrical Properties		
		Heat Stabilized		
Appearance		Natural Color		
Processing Method		Injection Molding		
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
Peak Melting Temperature	215 to 220	--	°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				

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