

Nypol® PA B3 HS TZ CNZ0303 NT377

Polyamide 6

Petropol Industry and Trade of Polymers LTDA

Message:

Polyamide 6 oiled and tenacious enough in color gray, for injection molding and extrusion. Outstanding impact resistance.

General Information				
Features		Good Impact Resistance		
Appearance		Grey		
Processing Method		Extrusion		
		Injection Molding		
Resin ID (ISO 1043)		>PA 6<		
Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.04	--	g/cm ³	ASTM D792
Molding Shrinkage				ASTM D955
Flow	1.8	--	%	
Across Flow : 3.20 mm	1.8	--	%	
Water Absorption (Saturation)	1.5	--	%	ASTM D570
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Strength				ASTM D638
Yield	48.0	29.0	MPa	
--	48.0	41.0	MPa	
Tensile Elongation				ASTM D638
Yield	4.0	30	%	
Break	> 230	> 230	%	
Flexural Modulus	524	297	MPa	ASTM D790
Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact (23°C)	No Break	--		ASTM D256
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load				ASTM D648
0.45 MPa, Unannealed	170	--	°C	
1.8 MPa, Unannealed	52.0	--	°C	
Melting Temperature	216	--	°C	ASTM D2117
Flammability	Dry	Conditioned		Test Method
Flame Rating	HB	--		UL 94
Injection	Dry	Unit		
Drying Temperature	100		°C	

Drying Time	3.0 to 4.0	hr
Suggested Max Moisture	< 0.20	%
Processing (Melt) Temp	227 to 288	°C
Mold Temperature	38.0 to 93.0	°C

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Recommended distributors for this material

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