

Nypol® PA B3 ST NTLA010 NT387

Polyamide 6

Petropol Industry and Trade of Polymers LTDA

Message:

Poliamide 6 Super Tough in color natural, for injection molding and extrusion. Outstanding impact resistance.

General Information				
Features		Good Impact Resistance		
		Ultra High Toughness		
Appearance		Natural Color		
Processing Method		Extrusion		
		Injection Molding		
Resin ID (ISO 1043)		>PA 6-HI<		
Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.06	--	g/cm ³	ASTM D792
Molding Shrinkage - Flow (2.00 mm)	1.2	--	%	ASTM D955
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	1800	540	MPa	ASTM D638
Tensile Strength				ASTM D638
Yield	48.0	29.0	MPa	
--	30.0	--	MPa	
Tensile Elongation				ASTM D638
Yield	4.0	30	%	
Break ¹	59	--	%	
Flexural Modulus	1700	570	MPa	ASTM D790
Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact (23°C)	660	1200	J/m	ASTM D256
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load				ASTM D648
0.45 MPa, Unannealed	97.0	--	°C	
1.8 MPa, Unannealed	52.0	--	°C	
Melting Temperature	215	--	°C	ASTM D2117
Injection	Dry	Unit		
Drying Temperature	100		°C	
Drying Time	3.0 to 4.0		hr	
Suggested Max Moisture	< 0.20		%	

Processing (Melt) Temp	220 to 260	°C
Mold Temperature	60.0 to 90.0	°C
NOTE		
1.	50 mm/min	

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Recommended distributors for this material

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