

Nypol® PA A3 TZ NTLA010 NR339 MSP

Polyamide 66

Petropol Industry and Trade of Polymers LTDA

Message:

Polyamide 6.6 natural, tenacious. Ideal for injection molding, good set of thermal properties, electrical and mechanical.

General Information				
Features		Good Electrical Properties		
Appearance		Natural Color		
Processing Method		Injection Molding		
Resin ID (ISO 1043)		>PA 6.6<		
Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.08 to 1.10	--	g/cm³	ASTM D792
Molding Shrinkage - Flow	1.0 to 1.5	--	%	ASTM D955
Water Absorption (Equilibrium)	1.2	--	%	ASTM D570
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Strength	50.0	40.0	MPa	ASTM D638
Tensile Elongation (Break)	60	210	%	ASTM D638
Flexural Modulus	1700	900	MPa	ASTM D790
Flexural Strength	70.0	--	MPa	ASTM D790
Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact	600	800	J/m	ASTM D256
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	71.0	--	°C	ASTM D648
Melting Temperature	250 to 265	--	°C	ASTM D2117
Flammability	Dry	Conditioned	Test Method	
Flame Rating	HB	--	UL 94	
Injection	Dry	Unit		
Drying Temperature	90.0		°C	
Drying Time	3.0		hr	
Suggested Max Moisture	0.020		%	
Processing (Melt) Temp	250 to 270		°C	
Mold Temperature	50.0 to 90.0		°C	

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