

Nypol® PA A3 ST NTLA010 NR385

Polyamide 66

Petropol Industry and Trade of Polymers LTDA

Message:

Polyamide 6.6 Super Tough (ST), with high impact strength in natural color, good mechanical properties, high tenacity and elongation, good set of thermal properties. Ideal for injection molding.

General Information			
Features	High Elongation		
	High Impact Resistance		
	Ultra High Toughness		
Appearance	Natural Color		
Processing Method	Injection Molding		
Resin ID (ISO 1043)	>PA 6.6<		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.08 to 1.09	g/cm ³	ASTM D792
Molding Shrinkage - Flow	1.5 to 1.7	%	ASTM D955
Water Absorption (Equilibrium)	1.2	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	53.0	MPa	ASTM D638
Tensile Elongation (Break)	75	%	ASTM D638
Flexural Modulus	2200	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-40°C	180	J/m	
-20°C	230	J/m	
23°C	990	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	225	°C	
1.8 MPa, Unannealed	65.0	°C	
Melting Temperature	250 to 265	°C	ASTM D2117
CLTE			ASTM D696
Flow : 23 to 55°C	1.4E-4	cm/cm/°C	
Transverse : 23 to 55°C	1.3E-4	cm/cm/°C	
Flammability	Nominal Value	Test Method	
Flame Rating	HB	UL 94	
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	

Drying Time	5.0	hr
Suggested Max Moisture	0.20	%
Processing (Melt) Temp	270 to 285	°C
Mold Temperature	60.0 to 80.0	°C

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Recommended distributors for this material

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