

Nypol® PA A3 Z40 HS NTLA010 NR457

Polyamide 66

Petropol Industry and Trade of Polymers LTDA

Message:

Polyamide 6.6 natural reinforced with 40% of wollastonite mineral and term stabilized, good set of thermal and mechanical properties. Ideal for injection molding.

General Information			
Filler / Reinforcement	Wollastonite (CaSiO ₃),40% Filler by Weight		
Additive	Heat Stabilizer		
Features	Heat Stabilized		
Appearance	Natural Color		
Processing Method	Injection Molding		
Resin ID (ISO 1043)	>PA 6.6 M40<		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.53	g/cm ³	ASTM D792
Molding Shrinkage - Flow	1.0 to 3.0	%	ASTM D955
Water Absorption (Equilibrium)	0.61	%	ASTM D570
Ash Content	38 to 42	%	ASTM D2584
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	77.0	MPa	ASTM D638
Tensile Elongation (Break)	1.7	%	ASTM D638
Flexural Modulus	5880	MPa	ASTM D790
Flexural Strength	123	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	31	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	242	°C	
1.8 MPa, Unannealed	143	°C	
Melting Temperature	250 to 265	°C	ASTM D2117
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	90.0	°C	
Drying Time	3.0	hr	
Suggested Max Moisture	0.20	%	
Processing (Melt) Temp	282 to 304	°C	
Mold Temperature	93.0 to 110	°C	

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Recommended distributors for this material

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