

Nypol® PA A3 T40 HS NTLA013 NR327

Polyamide 66

Petropol Industry and Trade of Polymers LTDA

Message:

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

General Information				
Filler / Reinforcement		Mineral,40% Filler by Weight		
Appearance		Natural Color		
Processing Method		Injection Molding		
Resin ID (ISO 1043)		>PA 6.6 MD40<		
Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.49	--	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.90 to 1.0	--	%	ASTM D955
Water Absorption (Equilibrium)	1.6	--	%	ASTM D570
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Strength	90.0	63.0	MPa	ASTM D638
Tensile Elongation (Break)	10	38	%	ASTM D638
Flexural Modulus	2400	2000	MPa	ASTM D790
Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact	7.0	12	J/m	ASTM D256
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load				ASTM D648
0.45 MPa, Unannealed	215	--	°C	
1.8 MPa, Unannealed	100	--	°C	
Melting Temperature	250 to 265	--	°C	ASTM D2117
Electrical	Dry	Conditioned	Unit	Test Method
Volume Resistivity	1.0E+13	--	ohms·cm	ASTM D257
Dielectric Strength (2.00 mm)	24	--	kV/mm	ASTM D149
Relative Permittivity (100 Hz)	4.20	--		IEC 60250
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating	HB	--		UL 94
Injection	Dry	Unit		
Drying Temperature	90.0		°C	
Drying Time	3.0		hr	
Suggested Max Moisture	0.20		%	
Processing (Melt) Temp	280 to 300		°C	

Mold Temperature	70.0 to 120	°C
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