

Nypol® PA A3 HF NTLA010 NR316

Polyamide 66

Petropol Industry and Trade of Polymers LTDA

Message:

Nylon 66 lubricated, good set of mechanical properties, high tenacity and elongation, good set of thermal properties. Ideal for injection molding.

General Information			
Additive	Lubricant		
Features	High Elongation		
	Lubricated		
Processing Method	Injection Molding		
Resin ID (ISO 1043)	>PA 66<		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.14	g/cm ³	ASTM D792
Molding Shrinkage - Flow	1.5 to 2.0	%	ASTM D955
Water Absorption (Equilibrium)	1.3	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	120		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	85.0	MPa	ASTM D638
Tensile Elongation (Break)	30	%	ASTM D638
Flexural Modulus	2750	MPa	ASTM D790
Flexural Strength	100	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	50	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	65.0	°C	ASTM D648
Peak Melting Temperature	250 to 260	°C	ASTM D2117
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+14	ohms · cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.700 mm)	V-2		UL 94
Glow Wire Ignition Temperature	850	°C	IEC 60695-2-13
Injection	Nominal Value	Unit	
Drying Temperature	90.0	°C	
Drying Time	3.0	hr	
Suggested Max Moisture	0.020	%	
Processing (Melt) Temp	260 to 280	°C	

Mold Temperature	70.0 to 100	°C
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