

Nypol® PA A3 P5 NTLA016 NR345

Polyamide 66

Petropol Industry and Trade of Polymers LTDA

Message:

Polyamide 6.6 reinforced with 5% PTFE, good abrasion resistance and excellent power sliding, naturally white hue. Applications: Bushings, gears, semi-finished machines. Ideal for injection molding.

General Information				
Additive	PTFE Lubricant (5%)			
Features	Good Abrasion Resistance			
Uses	Bushings			
	Gears			
Appearance	White			
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/cm ³	ASTM D792
Molding Shrinkage - Flow	1.0 to 1.5	--	%	ASTM D955
Water Absorption (Equilibrium)	1.2	--	%	ASTM D570
Ash Content	3.0 to 7.0	--	%	ASTM D2584
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Strength	80.0	59.0	MPa	ASTM D638
Tensile Elongation (Break)	50	240	%	ASTM D638
Flexural Modulus	2700	1200	MPa	ASTM D790
Flexural Strength	110	45.0	MPa	ASTM D790
Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact	40	130	J/m	ASTM D256
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	65.0	--	°C	ASTM D648
Vicat Softening Temperature	245	--	°C	ASTM D1525 ¹
Melting Temperature	250 to 265	--	°C	ASTM D2117
Flammability	Dry	Conditioned	Test Method	
Flame Rating	V-2	--	UL 94	
Injection	Dry	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
NOTE		

1. Rate A (50°C/h)

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Recommended distributors for this material

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