

# Nypol® PA A2 BGE0046 NR241

Polyamide 66

Petropol Industry and Trade of Polymers LTDA

Message:

Nylon 66 beige, with good set of mechanical properties, good set of thermal properties. Ideal for injection molding.

General Information				
Appearance		Beige		
Processing Method		Injection Molding		
Resin ID (ISO 1043)		>PA 66<		
Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.13 to 1.15	--	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	1.5 to 2.0	--	%	ASTM D955
Water Absorption (Equilibrium)	0.90	--	%	ASTM D570
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Strength	85.0	55.0	MPa	ASTM D638
Tensile Elongation (Break)	30	32	%	ASTM D638
Flexural Modulus	2750	1600	MPa	ASTM D790
Flexural Strength	100	55.0	MPa	ASTM D790
Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact (23°C)	50	48	J/m	ASTM D256
Thermal	Dry	Conditioned	Unit	Test Method
Vicat Softening Temperature	255	--	°C	ASTM D1525 <sup>1</sup>
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), Loading 1 (10 N)

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Recommended distributors for this material

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