

Nypol® PA A3 G30 NTLA010 NR399

Polyamide 66

Petropol Industry and Trade of Polymers LTDA

Message:

Polyamide 66 Medium Toughened, set excellent mechanical properties, higher impact, ideal for injection molding.

General Information				
Additive		Impact Modifier		
Features		High Impact Resistance		
		Impact Modified		
Processing Method		Injection Molding		
Resin ID (ISO 1043)		>PA 66-I<		
Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.10	--	g/cm ³	ASTM D792
Molding Shrinkage - Flow	1.5 to 1.7	--	%	ASTM D955
Water Absorption (23°C, 24 hr)	1.2	--	%	ISO 62
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	2500	1080	MPa	ISO 527-2
Tensile Stress				ISO 527-2
Yield	62.0	42.0	MPa	
50% Strain	65.0	44.0	MPa	
Tensile Strain				ISO 527-2
Yield	5.0	28	%	
Break	24	51	%	
Flexural Modulus	2300	1080	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179/1eA
-40°C	130	--	J/m	
23°C	210	--	J/m	
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	66.0	--	°C	ISO 75-2/A
Melting Temperature	260	--	°C	ASTM D2117
Flammability	Dry	Conditioned		Test Method
Flame Rating	HB	--		UL 94
Injection	Dry	Unit		
Drying Temperature	80.0 to 90.0		°C	

Drying Time	2.0 to 4.0	hr
Suggested Max Moisture	0.20	%
Processing (Melt) Temp	270 to 290	°C
Mold Temperature	70.0	°C

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Recommended distributors for this material

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