

Nypol® PA A3 G20 V10 PRTA010 NR302 MSP

Polyamide 66

Petropol Industry and Trade of Polymers LTDA

Message:

Nylon 66 Standard reinforced with 20% glass fiber and 10% of glass spheres, good set of mechanical properties, good set of thermal properties. Ideal for injection molding.

General Information			
Filler / Reinforcement	Glass Bead,10% Filler by Weight		
	Glass Fiber,20% Filler by Weight		
Processing Method	Injection Molding		
Resin ID (ISO 1043)	>PA 66 GF20<		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.38	g/cm³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.30 to 0.70	%	ASTM D955
Water Absorption (Equilibrium)	1.3	%	ASTM D570
Ash Content	18 to 22	%	ASTM D2584
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	140	MPa	ASTM D638
Tensile Elongation (Break)	4.0	%	ASTM D638
Flexural Modulus	7200	MPa	ASTM D790
Flexural Strength	238	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	80	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	238	°C	ASTM D648
Melting Temperature	255	°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	V-2		UL 94
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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Recommended distributors for this material

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