

Nypol® PA A3 PRTA010 NR326 MSP

Polyamide 66

Petropol Industry and Trade of Polymers LTDA

Message:

Nylon 6.6 in black color, good set of mechanical and thermal properties. Ideal for injection molding. (Natural Nylon 66 + black pigment)

General Information			
Appearance	Black		
Processing Method	Injection Molding		
Resin ID (ISO 1043)	>PA 66<		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.14	g/cm³	ASTM D792
Molding Shrinkage - Flow	1.5 to 2.0	%	ASTM D955
Water Absorption (24 hr)	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)	70.0	°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
Injection	Nominal Value	Unit	
Drying Temperature	90.0	°C	
Drying Time	3.0	hr	
Suggested Max Moisture	0.20	%	
Processing (Melt) Temp	260 to 280	°C	
Mold Temperature	70.0 to 100	°C	

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