

# Nypol® PA A3 FR PRTA010 NR382 MSP

Polyamide 66

Petropol Industry and Trade of Polymers LTDA

## Message:

Polyamide 6.6 in black color, flame retardant, good set of thermal and mechanical properties. Ideal for injection molding.

General Information				
Additive	Flame Retardant			
Features	Flame Retardant			
Appearance	Black			
Processing Method	Injection Molding			
Resin ID (ISO 1043)	>PA 6.6<			
Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.20	--	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	1.3 to 1.8	--	%	ASTM D955
Water Absorption (Equilibrium)	1.3	--	%	ASTM D570
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Strength	68.0	59.0	MPa	ASTM D638
Tensile Elongation (Break)	25	34	%	ASTM D638
Flexural Modulus	2500	1700	MPa	ASTM D790
Flexural Strength	93.0	59.0	MPa	ASTM D790
Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact	49	54	J/m	ASTM D256
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	65.0	--	°C	ASTM D648
Melting Temperature	250 to 265	--	°C	ASTM D2117
Electrical	Dry	Conditioned	Unit	Test Method
Volume Resistivity	1.0E+14	1.0E+13	ohms·cm	ASTM D257
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating	V-0	--		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	

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Recommended distributors for this material

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