

Nypol® PA A3 UV BRCA010 NR461 MSP

Polyamide 66

Petropol Industry and Trade of Polymers LTDA

Message:

Polyamide 6.6 white with UV protection, good set of thermal and mechanical properties. Ideal for injection molding.

General Information			
Additive	UV Stabilizer		
Appearance	White		
Processing Method	Injection Molding		
Resin ID (ISO 1043)	>PA 6.6<		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.13	g/cm ³	ASTM D792
Molding Shrinkage - Flow	1.4 to 1.6	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	121		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	80.0	MPa	ASTM D638
Tensile Elongation (Break)	50	%	ASTM D638
Flexural Modulus	2800	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (Area)	5.00	kJ/m ²	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	210	°C	
1.8 MPa, Unannealed	65.0	°C	
Melting Temperature	250 to 265	°C	ASTM D2117
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+13	ohms	ASTM D257
Volume Resistivity	1.0E+15	ohms · cm	ASTM D257
Comparative Tracking Index	600	V	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 285	°C	
Mold Temperature	40.0 to 80.0	°C	

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Recommended distributors for this material

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