NYPOL®

NYPOL A3 G10 UV PRTA011 NR436

PETROPOL® A essência da transformação

Product Description

10% Glass Fiber, UV Stabilized, Polyamide 6.6

General Considerations

Resin ID (ISO 1043)	· >PA6.6 GF10<
Filler / Reinforcement	· Glass Fiber, 10%
Processing	· Injection Molding
Color	· Black

- The information below is for informational purposes only and should not be adopted as specification limits.

Physical	Value	Unit	Method
Ash Content	8 to 12	%	ASTM D 2584
Density / Specific Gravity	1,21	g/cm³	ASTM D 792
Mold Shrinkage	0,6	%	ASTM D 955
Water Absorption	7,1	%	ASTM D 570
Humidity Absorption	2,22	%	ASTM D 570

Mechanical	Value	Unit	Method
Tensile Strenght	120	MPa	ASTM D 638
Stress at Break	118	MPa	ASTM D 638
Elongation at Break	3	%	ASTM D 638
Strain at Break	3,2	%	ASTM D 638
Tensile Modulus	5500	MPa	ASTM D 638
Shear Strenght	75	MPa	ASTM D 732
Flexural Strenght	190	MPa	ASTM D 790
Flexural Modulus	5300	MPa	ASTM D 790
Izod Impact		J/m	ASTM D 256
23°C	48		
Notched Izod Impact		J/m²	ASTM D 256
23°C	4,5		
Unnotched Izod Impact		J/m²	ASTM D 256
23°C	40		
Notched Charpy Impact		J/m²	ASTM D 256
23°C	4,5		
Unnotched Charpy Impact		J/m²	ASTM D 256
23°C	32		
Deformation Under Load		%	ASTM D 621
50°C, 27.6 MPa	1,1		

Thermal	Value	Unit	Method
Melting Point	250 to 265	°C	ASTM D 2117
Deflection Temperature		°C	ASTM D 648
1,8 MPa	230		
Flammability (2,0 mm)	HB	-	UL 94

Electrical	Value	Unit	Method
Volume Resistivity	1E16	ohm.cm	IEC 60093

Process		Unit	Method
Molding Process Temperature	260 to 280	°C	--
Mold Temperature	65 to 120	°C	--
Stuffing Static (Tray)	80/4	°C/Hours	--
Maximum Moisture Content for Process	0,2	%	--

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