

NYPOL S3 G33 HS UV PRTA011 NB314

Product Description

33% Glass Fiber, Heat Stabilized, UV Resistant, Bio-based polyamide 5.6

General Considerations

Resin	· >PA GF33<
Filler / Reinforcement	· Glass Fiber, 33% Filler by Weight
Additive	· Heat Stabilized
Processing	· Injection Molding
Color	· Black

Physical	Value	Unit	Method
Density / Specific Gravity	1,41	g/cm ³	ASTM D 792
Ash content	33 ± 2	%	ISO 3451-1/A
Mold Shrinkage	0.3 to 0.7	%	ASTM D 955

Mechanical	Value	Unit	Method
Tensile Strength	200	MPa	ISO527
Tensile Elongation	5,0	%	ISO527
Flexural Strength	260	MPa	ISO178
Flexural Modulus	9.500	MPa	ISO178
Izod Notched Impact Strength	9,10	kJ/m ²	ISO180/A

Thermal	Value	Unit	Method
Melting Point	250 to 265	°C	--

Flammability	Value	Unit	Method
Flammability	HB	-	UL94

Process		Unit	Method
Molding Process Temperature	250 to 265	°C	--
Mold Temperature	40 to 90	°C	--
Drying	80/4	°C/Hours	--

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