

**NYPOL S3 G50 HS UV RH PRTA011 NB319**

**Product Description**

50% Glass Fiber, Heat Stabilized, Bio-based Polyamide 5.6

**General Considerations**

Resin	· >PAGF50<
Filler / Reinforcement	· Glass Fiber, 50% Filler by Weight
Additive	· Heat Stabilized
Processing	· Injection Molding
Color	· Black

Physical	Value	Unit	Method
Density / Specific Gravity	1,59	g/cm <sup>3</sup>	ASTM D 792

Mechanical	Value	Unit	Method
Yield Stress	225	MPa	ISO 527-1-2
Yield Strain	4,5	%	ISO 527-1-2
Flexural Strength	340	MPa	ISO 178
Flexural Modulus	15160	MPa	ISO 178
Izod Notched Impact Strength 23°C	15,0	kJ/m <sup>2</sup>	ISO 180/1A

Flammability	Value	Unit	Method
Flame Rating	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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