

NYPOL B3 G50 HS HV PRTA010 NT397**Product Description**

Heat Stabilized, 50% Glass Reinforced, Polyamide 6

General Considerations

Resin ID (ISO 1043)	· PA6-GF50
Filler / Reinforcement	· Glass Fiber, 50% Filler by Weight
Additive	· Heat Stabilized
Processing	· Injection Molding
Color	· Black

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

Physical	Value	Unit	Method
Density	1,45 to 1,46	g/cm ³	ASTM D 792
Ash Content	38 to 42	%	ISO 3451-1/A
Mold Shrinkage	0,1 to 0,5	%	ASTM D 955
Water absorption	6	%	ASTM D 570
Humidity Absorption	1,7	%	ASTM D 570

Mechanical	Dry	50%RH	Unit	Method
Tensile Strength	200	123	MPa	ASTM D 638
Elongation at Break	2,5	-	%	ASTM D 638
Flexural Strength	175	-	MPa	ASTM D 790
Flexural Modulus	13200	-	MPa	ASTM D 790
Izod Notched Impact Strength 23°C	170	-	J/m	ASTM D 256

Thermal	Value	Unit	Method
Heat Deflection Temperature 1,82 MPa	210	°C	ASTM D 648
Melting Point	220	°C	-

Process	Value	Unit	Method
Molding Process Temperature	250 to 280	°C	--
Mold Temperature	60 to 90	°C	--
Drying	80/4	°C/Hours	--

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