

**NYPOL S3 HS ST PRTA011 NB322**

**Product Description**

High Impact, Heat Stabilized, Bio-based polyamide 5.6

**General Considerations**

Resin	· >PA<
Additive	· Heat Stabilized
Processing	· Injection Molding
Color	· Black

Physical	Value	Unit	Method
Density / Specific Gravity	1,08	g/cm <sup>3</sup>	ASTM D 792

Mechanical	Value	Unit	Method
Yield Stress	38	MPa	ISO 527-1-2
Yield Strain	NO BREAK	%	ISO 527-1-2
Flexural Strength	60	MPa	ISO 178
Flexural Modulus	1250	MPa	ISO 178
Izod Notched Impact Strength 23°C	60	kJ/m <sup>2</sup>	ISO 180/1A

Flammability	Value	Unit	Method
Flame Rating	HB	-	UL94

Process		Unit	Method
Molding Process Temperature	240 to 250	°C	--
Mold Temperature	40 to 90	°C	--
Drying	80/4	°C/Hours	--

Data contained in this Data Sheet have been obtained in laboratory and reflect the average number of batches produced. This information is current as of the date on which it was authorized to print this. The Petropol reserves the right to alter designs, specifications and information on its products at any time or discontinue them, regardless of any notice or statement without incurring liability of any kind.

