

**NYPOL S3 HL HS UV PRTA010 NB321**

**Product Description**

Lubricated, UV Resistant, Bio-based polyamide 5.6

**General Considerations**

Resin	· >PA<	
Additive	· Lubricated	· UV Resistant
Processing	· Injection Molding	
Color	· Black	

Physical	Value	Unit	Method
Density / Specific Gravity	1,14	g/cm <sup>3</sup>	ASTM D 792
Mold Shrinkage	1,15 to 1,17	%	ASTM D 955
Water Absorption	1,3	%	ASTM D 570

Mechanical	Value	Unit	Method
Tensile Strength	60	MPa	ISO 527
Elongation at Break	3,2	%	ISO 527
Flexural Strength	115	MPa	ISO 178
Flexural Modulus	2.270	MPa	ISO 178
Izod Notched Impact Strength 23°C	8,0	kJ/m <sup>2</sup>	ISO 180/A

Thermal	Value	Unit	Method
Melting Point	250 to 265	°C	ISO 3146/A

Flammability	Value	Unit	Method
Glow Wire @ 2,0 mm	850	°C	IEC 60695-2-1

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

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