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Our HT-PLA is made of a new modified grade of PLA. This gives the filament higher impact strength and heat resistance than regular PLA but is still as easy to print with.

Revision  
**1.4**

Product  
**HT-PLA**

	STANDARD	UNIT	TYPICAL VALUE
<b>PHYSICAL PROPERTIES</b>			
Density	ISO 527	g/cc	<b>1.24</b>
<b>MECHANICAL PROPERTIES</b>			
Tensile Strength, Break	ISO 527	MPa	<b>50</b>
Tensile Modulus	ISO 527	MPa	<b>2870</b>
Tensile Elongation, Break	ISO 527	%	<b>5</b>
Flexural Strength	ISO 178	MPa	<b>120</b>
Flexural Modulus	ISO178	MPa	<b>3155</b>
<b>THERMAL PROPERTIES</b>			
Glass Transition Temperature (Tg)	DSC	°C	<b>55-60</b>
Deflection Temperature at 0.45 MPa (66psi)	ISO 75	°C	<b>80-90 (Annealed)</b>

#### DATE ISSUED

**MONTH**  
1 2 3 4 5 6 7 **8** 9 10 11 12

**DAY**  
1 2 3 4 5 6 7 8 9 10 **11** 12 13 14 15 16 17  
18 19 20 21 22 23 24 25 26 27 28 29 30 31

**YEAR**  
2017 2018 **2019**

#### DISCLAIMER

The technical data contained on this data sheet should not be used to establish specifications limits or used alone as the basis of design. The data provided is not intended to substitute any testing that may be required to determine fitness for any specific use.

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