

High Impact PLA

Filament Data Sheet

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High Impact PLA

Filament Data Sheet

IDENTIFICATION

VALUE

Commercial Name	EUMAKERS High Impact PLA Filament
Raw Material	Bio-Based PLA Compound [> 80% produced from renewable materials]
Application	3D Printing

COLOR AVAILABILITY

VALUE

Color	White Black
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PHISICAL PROPERTIES

CONDITIONS

STANDARD

UM

VALUE

Density	23° C	ISO 1183	g/cm ³	1,30
Melt Flow Index	190° C/2,16 Kg	ISO 1133	g/10 min	30,0

THERMAL PROPERTIES

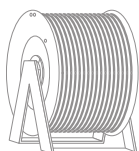
CONDITIONS

STANDARD

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VALUE

Melting Temperature	10° C/min	ISO 11357-3	°C	180
Glass Transition Temperature	10° C/min	ISO 11357-2	°C	54



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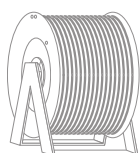
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GENERAL PROPERTIES**VALUE AND TOLERANCES**

Filament Net Weight	1,1 Kg 2,2 Kg
Roundness Deviation	Max 2%
Color	White Black
Diameter	1,75 mm
Diameter Tolerance	± 0,05 mm

PROCESSING CONDITIONS**VALUE**

Recommended Printing Temperature	190°-230° C
Recommended Printing Speed	40-80 mm/s
Recommended Bed Temperature	50-70° C (Not Necessary)
Annealing Temperature	100° C (2-4 hrs.)
Cooling Fan	100 %



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SECTION 1. PRODUCT INFORMATION & COMPLIANCE

The Bio-Based PLA compound used for filament production has been tested by accredited laboratory according to:

1.1 PRODUCT INFORMATION

Ideal for components that require high resistance to shocks and high temperatures. Post-processing annealing is suggested. Suitable for fast sanding processes.

1.2 COMPLIANCE

REACH: **compliant**

ROHS: **compliant**

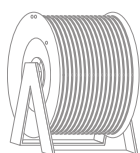
FOOD CONTACT: **non-compliant**

SECTION 2. DISCLAIMER

2.1 NOTE

Disclaimer: The information contained in this document cannot be considered as a specification. All the data reported are based on our current knowledge and are considered accurate and reliable even if not guaranteed in any way. RIGENERA di Sfrecola Cosimo Damiano assumes no responsibility for damage to persons or property due to incorrect information in this document. RIGENERA di Sfrecola Cosimo Damiano reserves the right to update this document at any time, resulting in the expiry of any previous version of this document.

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