PRIMA**VALUE**
3D-PRINT FILAMENT

PrimaValue PLA

PrimaValue PLA is a tough, easy to use high grade PLA type of filament, ideal for 3D printing. Slightly modified, the filament retains the typical features of PLA, but makes it tougher and less brittle. Due to a low shrinkage factor PLA will not deform after cooling. Poly Lactic Acid is a biodegradable plastic made from renewable natural resources and one of the most popular materials for 3D printing.

Features:

- Tougher and less brittle compared to regular PLA
- Easy toprint at low temperature
- Low warping
- Biodegradable
- Limited smell

Colours:

Red, Blue, Black & White.

Packaging:

Shrinked rapped outer box and shrinked rapped spool with silica gel.

Additional info:

Due to its low tendency to warp PLA can also be printed without a heated bed. If you have a heated bed the recommended temperature is ±35-60˚C. PLA can be used on all common desktop FDM or FFF technology 3D printers.

Storage:

Cool and dry (15-25˚C) and away from UV light. This enhances the shelf life significantly.

Dimensions

Size	Ø tolerance	Roundness
1,75 mm	±0,05 mm	≥ 95 %
2,85 mm	±0,10 mm	≥ 95 %

Physical properties

Description	Testmethod	Typical value
Specific gravity	ASTM D1505	1,24 g/cc
MFI	–	6,0 g/10 min
Tensile strength	ASTM D882	10 MPa (MD) 145 MPa (TD)
Elongation at break	ASTM D882	160% (MD) 100% (TD)
Tensile modulus	ASTM D882	310 MPa (MD) 3860 Mpa (TD)
Impact Strength	–	7,5 KJ/m²

Thermal properties

Description	Testmethod	Typical value
Printing temp.	–	180-210˚C
Melting temp.	–	210˚C ±10˚C
Melting point	ASTM D3418	145-160˚C
Vicat softening temp	ISO 306	±60˚C

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