

PRIMAVALUE™

PLA

Why should I use Value™ PLA?

- Stronger than regular PLA
- Very easy to print, even at low temperature
- Very small risks for warping
- It's biodegradable
- No unpleasant smell



* Please see our website for latest options and colors available.



PrimaValue™ PLA

Value™ PLA is a very nice 3D - print material, it's non-toxic and has a no unpleasant smell when you print with it. Because of its thermal characteristics it's easy to get great prints. Polylactic acid (PLA) is a bio-degradable polymer that is produced from lactic acid, which can be fermented from crops such as corn.

Value™ PLA has a slight shine to its appearance when the print is done. Value™ PLA comes in selected colors which are beautiful and vivid with a nice appearance that are based on the RAL color system, which in turn guarantees that you get the same color every time you order a new spool of Value™.

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	9 MPa (MD) 139 MPa (TD)
Elongation at break	ASTM D882	150% (MD) 100% (TD)
Tensile modulus	ASTM D882	298 MPa (MD) 3590 Mpa (TD)
Impact Strength	-	4,2 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