

## Features

- Good tensile strength and surface quality
- User – friendly for both home and office environments
- Due to the low shrinkage, PLA will not deform after cooling
- Minimal thermal tension
- Minimal deformation

## RS PRO 3D Printing Materials

RS Stock No.: 0360164



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

## Product Description

*This product is perfect for all kind of projects, from prototypes and models to decorative and functional parts.*

## General Specifications

Printing Technology	FDM
Printing Material	PLA
Machine Specific	No
Colour	Yellow
For Use With	Common Desktop 3D Printers
Material Type	PLA
Print Speed	>250 mm/s for 0.2mm layer height
Bed Prep	Temperature Between 50°C and 70°C

## Mechanical Specifications

Diameter	1.75 mm
Weight	2.3 kg
Specific gravity	1,24 g/cc
MFI	6 g/10 min
Tensile Strength	45 Mpa
Tensile Modulus	3500 Mpa
Impact Strength	< 5 KJ/m <sup>2</sup>
Tolerance	± 0.05mm
Roundness	≥ 95%
Spool Size	30cm (D) x 100mm (h) & Hub diameter 52mm
Spool Weight	600gr
Ovalidity Tolerance (Max)	± 5%

**Operation Environment Specifications**

<b>Printing Temperature</b>	190 – 230 °C
<b>Melting Temperature</b>	155 °C ± 10 °C
<b>Glass Transition Temperature</b>	55 - 60 °C
<b>Storage Temperature</b>	15-25°C

**Approvals**

<b>Compliance/Certifications</b>	IEC / CE / CSA
<b>Declarations</b>	MFR Declaration of Conformity