

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.: 0360158



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	Black
For Use With	Common Desktop 3D Printers
Material Type	PLA
Print Speed	>250 mm/s for 0.2mm layer height
Bed Prep	PEI tape is the ideal build surface

Mechanical Specifications

Diameter	1.75 mm
Weight	500 gr
Specific gravity	1,24 g/cc
MFI	6 g/10 min
Tensile Strength	45 Mpa
Tensile Modulus	3500 Mpa
Impact Strength	< 5 KJ/m ²
Tolerance	± 0.05mm
Roundness	≥ 95%
Spool size	20cm (D) x 47mm (h) & Hub diameter 52mm
Ovalidity Tolerance (Max)	± 5%

Operation Environment Specifications

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

Approvals

Compliance/Certifications	IEC / CE / CSA
Declarations	MFR Declaration of Conformity