

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.: 0360162



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 | Orange |
| 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 ² |
| Tolerance | ± 0.05mm |
| Roundness | ≥ 95% |
| Spool Size | 30cm (D) x 100mm (h) & Hub diameter 52mm |
| Spool Weight | 600gr |
| ovality 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 |