

Features

- Good tensile strength and surface quality
- Easy to work at high print speed
- User-friendly for both home and office environments
- PLA will not deform after cooling
- Minimal thermal tension and deformation
- Antibacterial properties

3D Printer Filament, PLA Antibacterial

RS PRO 1.75mm Natural 1 Kg

RS Stock No.: 0430163



RS PRO is the own brand of RS. The RS PRO Seal of Approval is your assurance of professional quality, a guarantee that every part is rigorously tested, inspected, and audited against demanding standards. Making RS PRO the Smart Choice for our customers.

General Specifications

- This product is perfect for medical applications by eliminating bacterial contamination, such as prostheses, splints, surgical preparation tools, toys for sick children.

General Specifications

Printing Technology	FDM
Printing Material	PLA
Machine Specific	No
Colour	Natural
For Use With	Common Desktop 3D Printers
Material Type	PLA
Print Speed	80 – 120 mm/s for 0.2mm layer height
Bed Prep	Glass/ Glue, BuildTak, Bluetape, Garolite

Mechanical Specifications

Diameter	1.75 mm
Weight	1 Kg
Specific gravity	1,24 g/cc
MFI	6,0 g/10 min
Tensile strength	45 MPa
Tensile Modulus	3500 Mpa
Impact strength	< 5 KJ/m ²
Tolerance	± 0.05mm
Roundness	≥ 95%
Strain at yield	5% (max)
Spool weight	224 gr
Spool size	20cm (D) x 68mm (h) & Hub diameter 52mm
ovality Tolerance (Max)	± 5%

Operation Environment Specifications

Printing Temperature	190-230°C
Melting Temperature	155°C ± 10 °C
Melting Point	145-160°C
Glass transition Temperature	55 - 60 °C
Storage Temperature	15-25°C

Approvals

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