

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
Ovalidity 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