RS PRO

Features

- Good tensile strength and surface quality

- Easy to work at high print speed

- User-friendly for both home and office environments

- Due to the low shrinkage, PLA will not deforme after cooling

- Minimal thermal tension

- Minimal deformation

3D Printer Filament, PLA RS PRO 1.75mm Fluorescent Orange 300 Gr

RS Stock No.: 0292135

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.

3D Printing Materials

General Specifications

This product is used for domestic tools, educational projects, display objects, prototype architectural models

General Specifications

Printing Technology	FDM
Printing Material	PLA
Machine Specific	No
Colour	Flourescent Orange
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	300 gr
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	110 gr
Spool size	14cm (D) x 44 mm (h) & Hub diameter 52mm
Ovalidity Tolerance (Max)	± 5%

3D Printing Materials

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