

## Features

- Good tensile strength and surface quality
- Easy to work with at high print speed
- User-friendly for both home and office environments
- Due to the low shrinkage factor, PLA will not deform after cooling
- Minimal thermal tension
- Minimal deformation
- Acetone resistant

## RS PRO 1.75mm Blue PLA 3D Printer Filament, 1kg

RS Stock No.: 832-0226



RS PRO 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 PLA (polylactic acid) 3D Printer Filament from our high-quality own brand RS PRO is the most popular 3D printing filament material and it is the best material for getting started with your 3D printer.

## General Specifications

Printing Technology	FDM
Printing Material	PLA
Machine Specific	No
Colour	Blue
For Use With	Common Desktop 3D Printers
Material Type	PLA
Application	Household tools, Educational projects, Show objects, Prototyping, Architectural models

## Mechanical Specifications

Diameter	1.75mm
Weight	1kg
Specific gravity	1,24 g/cc
MFI	6,0 g/10 min
Tensile strength	110 MPa (MD) / 145 MPa (TD)
Elongation at break	160% (MD) / 100% (TD)
Tensile Modulus	3310 MPa (MD) / 3860 MPa (TD)
Impact strength	7,5 KJ/m <sup>2</sup>
Tolerance	± 0.05mm
Roundness	≥ 95%

# 3D Printing Materials

## Operation Environment Specifications

Printing Temperature	180 °C -210°C
Melting Temperature	210°C ± 10 °C
Melting Point	145 °C -160°C
Vicat Softening Temperature	± 60°C
Heat Deflection Temperature	56°C
Storage Temperature	15 °C -25°C

## Approvals

Compliance/Certifications	ASTM D1505, ASTM D882,ASTM D3418,ISO 306, 2011/65/EU and 2015/863
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