

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 Black Tough PLA 3D Printer Filament, 1kg

RS Stock No.: 174-0001



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 PRO+ (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. PLA PRO+ is industrial high-performance PLA which features an extreme performance on speed, mechanical properties and high heat environments. .

General Specifications

Printing Technology	FDM
Printing Material	PLA
Machine Specific	No
Colour	Black
For Use With	Common Desktop 3D Printers
Material Type	Tough 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	40 MPa (MD)
Elongation at break	47%
Tensile Modulus	4000 MPa
Impact strength	23 KJ/m ²
Tolerance	± 0.05mm
Roundness	≥ 95%

3D Printing Materials

Operation Environment Specifications

Printing Temperature	230 °C -10°C
Melting Temperature	205°C ± 15 °C
Heat Deflection Temperature	95°C
Storage Temperature	15 °C -25°C

Approvals

Compliance/Certifications	ISO 1183 ,ISO 1133, ISO 527, ISO 179, ISO 75, 2011/65/EU and 2015/863
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