

Features

- Higher melting temperature for better mechanical strength
- Free from harmful or hazardous materials
- Low shrinkage rate
- High rigidity combined with good flex
- Produces objects with higher toughness
- Easy to glue with acetone

RS PRO 1.75mm Black PET-G 3D Printer Filament, 500g

RS Stock No.: 891-9309



RS 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 (Polyethylene terephthalate Glycol-Modified) PETG filament from our high-quality own brand RS PRO is a perfect addition to your filament assortment. PETG filament is very strong and versatile with great thermal resistance. PETG combines the ease of use of PLA filament with the strength and durability of ABS filament

General Specifications

Printing Technology	FDM
Printing Material	PET-G
Machine Specific	No
Colour	Black
For Use With	Common Desktop 3D Printers
Material Type	PET-G
Print Speed	20-50 mm/s for 0.2mm layer height
Applications	PETG is a great material for high impact mechanical parts that may be subjected to moderate heat loads. This material is more wear and impact resistant than ABS while still being very cost-effective for production printing applications.

3D Printing Materials

Mechanical Specifications

Diameter	1.75mm
Weight	500g
Specific gravity	1,27 g/cc
MFI	6,0 g/10 min
Tensile strength	50 MPa
Elongation at break	120% (MD)
Impact strength	85 KJ/m ²
Tolerance	± 0.05mm
Roundness	≥ 95%
Hardness	105
Moisture absorption	0.13%

Operation Environment Specifications

Printing Temperature	195-220°C
Storage Temperature	15-25°C

Approvals

Compliance/Certifications	ASTM D782 , ASTM D955, ASTM D638, ASTM D 790, ASTM D785, ASTM D750, ASTM D 570, ASTM D 648, ASTM D1003
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