FEATURES

- **Good resistance to chemicals**

- **TPC Flex 45 has excellent UV resistance**

- **Printed products can withstand a lot of mechanical stress without breaking**

- **Very low odour while printing**

- **Retains flexibility even at low temperatures**

- **Low moisture absorption**

RS PRO 1.75mm Black FLEX 45 3D Printer Filament, 500g

RS Stock No.: 832-0529

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

Printing with flexible filaments is yet another way to expand your 3D printer capabilities. Unlike most common materials such as PLA or PETG, this TPC Flex 45 filament from our own RS PRO brand offers flexibility, great adhesion between the layers and often also elasticity.

General Specifications

Printing Technology	FDM
Printing Material	Flex-45
Machine Specific	Yes/No
Colour	Black
For Use With	Common Desktop 3D Printers

Mechanical Specifications

Diameter	1.75mm
Weight	500g
Tensile Modulus	95 MPa
Impact strength	Notched
Tolerance	± 0.05mm
Roundness	≥ 95%
Hardness	Shore D 45
Strain at break	530%

Operation Environment Specifications

Printing Temperature	220 ˚C -260˚C
Melting Point	180˚C
Heat Deflection Temperature	+100°C
Storage Temperature	15 ˚C -25˚C

Approvals

Compliance/Certifications	ISO 1183, ISO 1133, ISO 527, ISO 179, ISO 868, ISO 11357 , 2011/65/EU and 2015/863