Features

- Material is very light and durable which makes ABS particularly suitable for tools
- Minimal warping
- Reliable bed adhesion
- Highly durable and more flexible than PLA
- Offers good heat resistance and smooth finish
- Prone to cracking and delamination
- Adheres best to polyamide tape

RS PRO 1.75mm Black ABS 3D Printer Filament, 1kg

RS Stock No.: 832-0311

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.

3D Printing Materials

Product Description

This ABS (Acrylonitrile Butadiene Styrene) from our high-quality own brand RS PRO is a durable impact-resistant filament which is ideal for 3D printing of solid printed products. RS PRO ABS filament is specifically formulated to minimize warping and ensure consistent interlayer adhesion.

General Specifications

Printing Technology	FDM
Printing Material	ABS
Machine Specific	No
Colour	Black
For Use With	Common Desktop 3D Printers
Material Type	ABS

Mechanical Specifications

Diameter	1.75mm
Weight	1kg
Specific gravity	1,03 g/cc
MFI	8,0 g/10 min
Tensile strength	44 MPa
Tensile Modulus	2000 MPa
Impact strength	36 KJ/m²
Tolerance	± 0.05mm
Roundness	⩾ 95%
Strain at break	9%

3D Printing Materials

Operation Environment Specifications

Printing Temperature	220 ˚C -270˚C
Melting Temperature	245˚C ± 10 ˚C
Vicat Softening Temperature	± 103˚C
Heat Deflection Temperature	± 90-110˚C
Storage Temperature	15 ˚C -25˚C

Approvals

Compliance/Certifications	ASTM D1238, ASTM D792,ASTM D638,IS0 306, IS0 527 , IS0 792, IS0 180/A, IS0 294,2011/65/EU and 2015/863