

Features

- Light weight
- Low density
- Flexible and impact resistant
- Hydrophobic properties, chemical resistance, low conductivity

RS PRO 3D Printing Materials

RS Stock No.: 0360152



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 product is used for: Functional prototypes, automotive components, parts for the medical sector, containers and packages, industrial tools and accessories, food industry products, functional models, flexible parts.

General Specifications

Printing Technology	FDM
Printing Material	Polypropylene
Machine Specific	No
Colour	Black
For Use With	Common Desktop 3D Printers
Material Type	Polypropylene
Print Speed	30 mm/s first layer 0.25 mm/s

Mechanical Specifications

Diameter	1.75 mm
Weight	500 gr
Specific gravity	0.89 g/cc
MFI	8 g/10 min
Tensile strength at yield	12 MPa
Flexural Modulus	402 Mpa
Impact Strength	30 KJ/m ²
Tolerance	± 0.05mm
Roundness	≥ 95%
Spool Size	20cm (D) x 47mm (h) & Hub diameter 52mm
Ovality Tolerance (Max)	± 5%

Operation Environment Specifications

Printing Temperature	220 - 250°C
Melting Temperature	190 °C ± 10 °C
Vicat softening Temperature	± 103 °C
Storage Temperature	15-25°C

Approvals

Compliance/Certifications	IEC / CE / CSA
Declarations	MFR Declaration of Conformity