



HIGHEST RATED FILAMENT ON AMAZON
60-DAY MONEY BACK GUARANTEE

FAST, FREE MAINLAND DELIVERY OVER £65!
HEAVY USER? SUBSCRIBE AND SAVE!

Description:

A strong and flexible rubber substitute that has strong resilience and tear resistance, excellent abrasion resistance, high resistance to hydrolysis failure and oxidation, with good stability towards solvents and light.

Applications:

Car parts, seals, toys, vibration isolation mounts, protective covers, castor wheels, delineators, timing belts.

Recommended Print Settings:

Printing Temps 1.75mm	245-250°C
Printing Temps 2.85mm	250-255°C
Heated Bed Temp	80-90°C
Cooling Fans	After 1st layer, 30-60%/as needed
Ideal Build Volume	Doors and covers open/removed
Extrusion Multiplier	x1.0 (100%)
Retraction (direct drive)	Try 2-3mm as a starting point at 20-30mm/s
Retraction (bowden feed)	As above, but try 6mm as a starting point
Print Speed Advisory	<20mms (depends on printer extruder type)
Print Surface Advisory	PEI and FR4/PrintBite and BuildTak bed surfaces are susceptible to serious over-adhesion issues if the first layer is printed too close to the bed (the use of a 'moderator' between the bed surface and the FPLA is advised - glue stick, 3DLAC, vinyl hairspray, etc. Also, increasing the air-gap between the nozzle for the first layer and the bed - do not 'squish' the first layer into the bed)
Print Layer Advisory	None
Other	Some bowden feed systems may not be able to print with this filament

General Advice:

Start at the low end of the temperature range and increase if needed for faster print speeds
Print without supports if possible as they are hard to remove

Properties:

Typical Properties ⁽¹⁾	Value	Test Standard
Density	1.21g/cm ³	DIN ISO 1183-1 A
Hardness Shore A	93A	DIN 53505 – ISO 868
100% Modulus	9.5MPa	DIN 53504 – ISO 37
300% Modulus	19.5MPa	DIN 53504 – ISO 37
Tensile Strength	40MPa	DIN 53504 – ISO 37
Elongation at Break	500%	DIN 53504 – ISO 37
Tear Strength	180N/mm	DIN ISO 34-1 B/b
Abrasion Resistance	35mm ³	DIN ISO 4649

(1) NOT to be construed as specifications

Other info:

Wide hardness range
Excellent abrasion and scratch resistance
High elasticity
High tensile & tear strength
Good oil and grease resistance
Low temperature flexibility
Customized and cost effective solutions
Recyclable
Adhesion to polar substrates
Service temperature; -50 °C to +100 °C

Print Surface Materials:

Adheres very strongly to PEI and FR4 bed materials. Care must be taken to ensure that the bed surfaces are not damaged by over-adhesion. It is advised that an adhesion moderating coating is applied to these surfaces. Do not 'squish' the first layer into the bed surface.

Please note that the information given in this Technical Data Sheet, including, but not limited to, data, statements and typical values, are given in good faith. They are provided as an aid for material selection purposes only. The values and information presented on this sheet are typical values and should not be interpreted as being absolute or precise specifications. Colour pigments may induce variance in printing settings between filament colours.