

Flexfill 92A

Description:

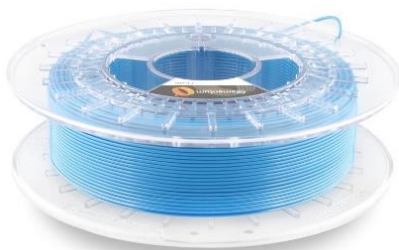
Flexfill 92A is flexible and elastic filament that offers great mechanical properties. High tear and tensile strength and wear performance guarantee the durability of 3D printed products.

Thanks to its abrasion resistance and smoothness, it can be used for the final surface treatment.

The filament is great for printing of dynamically stressed parts, sealings or even for shoes and insoles.

This material can be used for production of electrical and electronic equipment. It doesn't contain the restricted substances. The use of the material in the food or medical industry is not recommended.

Fillamentum guarantees precision of filament dimensions within the tolerance of +/- 0,10 mm, which is strictly controlled throughout the production.



| Physical properties | Typical Value | Test Method | Test Condition |
|---------------------|--------------------------------------|-------------|----------------|
| Material density | 1,20 g/cm ³ | ISO 1183-1 | |
| Melt volume index | 35 cm ³ /10 min | ISO 1133-1 | 210 °C, 10 kg |
| Diameter tolerance | ± 0,10 mm | | |
| Weight | 500 g of filament (+ 250 g spool) | | |

| Mechanical properties | Typical Value | Test Method | Test Condition |
|-----------------------|--------------------|-------------|-----------------|
| Tensile strength | 49 MPa | DIN 53504 | at break |
| Tensile stress | 7,5 MPa | DIN 53504 | 100% elongation |
| | 16 MPa | DIN 53504 | 300% elongation |
| Elongation at break | 600 % | DIN 53504 | |
| Hardness | 91 Shore A | ISO 7619 | |
| | 42 Shore D | ISO 7619 | |
| Tear strength | 85 kN/m | ISO 34-1 | |
| Abrasion | 30 mm ³ | ISO 4649 | |

| Printing properties | Recommended | Notes |
|---------------------|-------------|---|
| Print temperature | 220-240 °C | Recommended settings! It may differ according to the printer and the object. |
| Hot pad | 50-60 °C | Try your own settings before printing. |
| Bed adhesive | Magigoo | For easy removing of the object. |

Workability of 3D printing filament is at least 12 months from delivery.

The information was processed with the best knowledge of the manufacturer and it is for information only.