

Flexa Bright

Material's Technical Data Sheet

Dedicated rubber for high-elongation parts with possibility to dye into colors.

Compatible with:

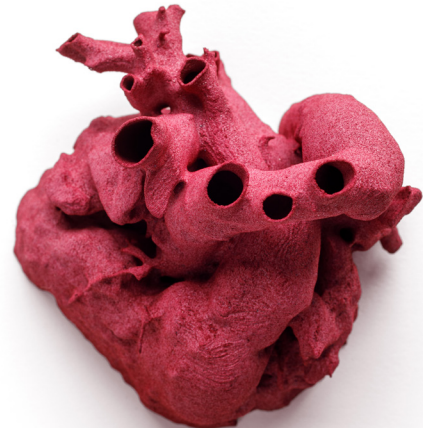
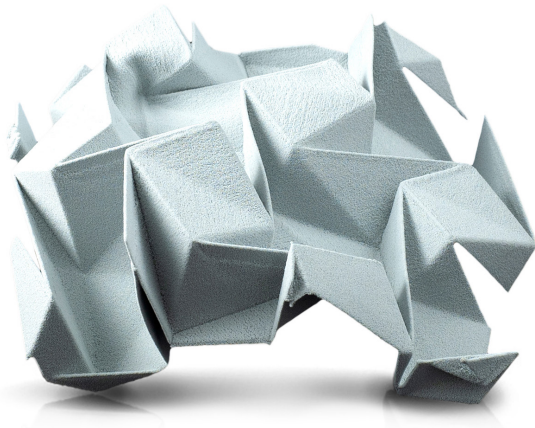


FEATURES

- flexible
- dyeable
- brightly colored

APPLICATIONS

- pre-surgery and training printouts in the medical industry
- flexible prototypes
- clothing parts
- mock-ups and models



General information

| | | | |
|----------------------------|--------------------------|-------------------|--------------------|
| Material type | TPU | | |
| Software | Sinterit Studio Advanced | | |
| Nitrogen needed | No | | |
| Refresh ratio ² | 0 ³ | % | |
| Colour | oyster white | | |
| Particle size | 26-117 | µm | ISO 13320 |
| Printout density | 0.95 | g/cm ³ | PN-EN ISO 845:2010 |
| Printout water absorption | 3 | % | PN-EN ISO 62:2008 |

Test method

- Available on request.
- Refresh ratio is the amount of refreshing powder that is required to be mixed after the printing with unsintered material.
- Flexa materials has 100 [%] of usability. Although to keep the parameters of printouts as high as possible, we recommend adding 10% of fresh powder each time.

Information provided within this document are average values for reference and comparison only. All tests were performed with print samples from Lisa/Lisa Pro printers. Parameters presented in this specification are subject to change without notice. Final part properties may vary based on printed part design, print orientation and material handling.

Mechanical properties

| | | | Test method |
|--------------------------------|-------------------|-----|--------------------|
| Tensile Strength | 10.3 ³ | MPa | PN-EN ISO 37:2007 |
| Elongation at Break | 318 | MPa | PN-EN ISO 37:2007 |
| Shore hardness in type A scale | 79 | | PN-EN ISO 868:2005 |

Thermal properties

| | | | Test method |
|------------------------------|------|----|------------------------|
| Melting point | 160 | °C | Internal procedure |
| Softening point (Vicat, A50) | 75.1 | °C | PN-EN ISO 3006:2014-02 |

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