

Flexa Bright

Material's Technical Data Sheet

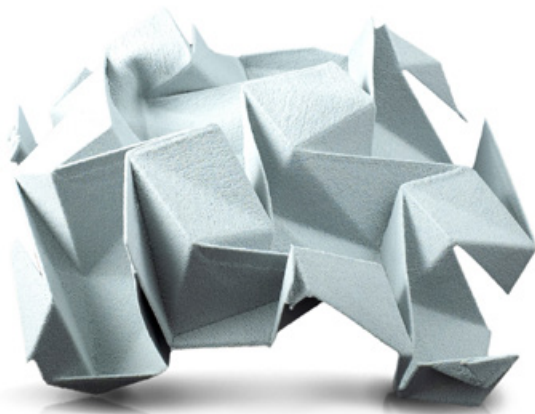
Dedicated rubber for high-elongation parts with possibility to dye into colors.

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

Test method

Material type	TPU		
Software	Sinterit Studio Advanced		
Nitrogen needed	No		
Refresh ratio ¹	0 ²	%	
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

1. Available on request.

2. Refresh ratio is the amount of refreshing powder that is required to be mixed after the printing with unsintered material.

Mechanical properties

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

3. Fexa 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.

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