Flexa Bright

TDS for Lisa PRO

Material's Technical Data Sheet

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

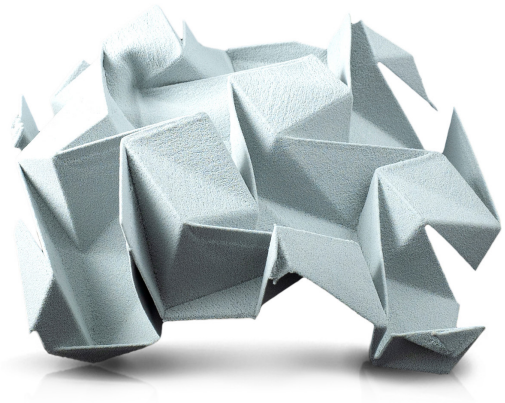
Compatible with: NILS 480

FEATURES

- flexible
- dyeable
- brightly colored

APPLICATIONS

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



General properties			Test method
Material type	TPU		
Software	Sinterit Studio Advanced		
Nitrogen needed	No	-	
Colour	Oyster white	-	internal
Refresh ratio[1]	0[2]	%	internal
Printout density	0.95	g/cm^3	PN-EN ISO 845:2010
Printout water absorption	3	%	PN-EN ISO 62:2008
Particle size	26-117	µm	ISO 13320

SINTERIT
www.sinterit.com

Mechanical properties			Test method
Tensile Strenght	10.3	MPa	PN-EN ISO 527-1:2012
Elongation at Break	318	%	PN-EN ISO 527-1:2012
Shore Hardness in A scale	79	-	PN-EN ISO 868:2005

Thermal properties			Test method
Melting temperature	160	°C	PN-EN ISO 11357:2018
Softening point (Vicat A50)	75	°C	PN-EN ISO 306:2014-02

1. Refresh ratio is the amount of refreshing powder that is required to be mixed after the printing with unsintered material.
2. Flexa Bright 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 PRO printed from the fresh powder. 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. All mechanical tests were carried out on samples conditioned to ISO standards at (23 ± 2)°C and (50 ± 5)% r. h.

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