Flexa Bright

Material's Technical Data Sheet

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

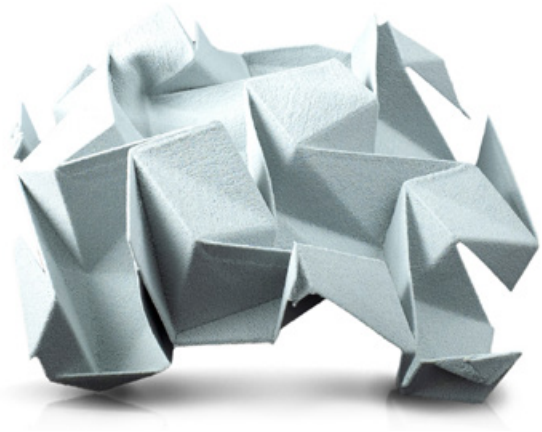
Compatible with: LISA PRO, LISA X, NILS 480[1]

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.

SINTERIT
www.sinterit.com

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

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.

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