Flexa Soft

Material's Technical Data Sheet

Soft material that could be used in design, art and simulation of highly soft materials.

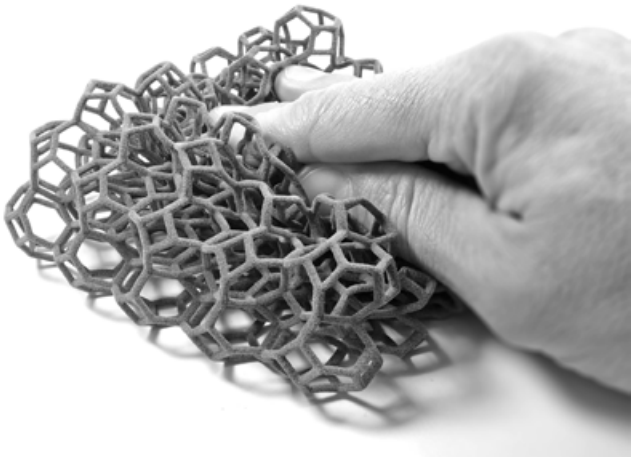
Compatible with: LISA PRO, LISA X, NILS 480[1]

FEATURES

- low Shore hardness
- elastic
- soft to touch

APPLICATIONS

- vibration dampers
- soft elements
- fashion design
- haptic-touch parts



General information			Test method
Material type	TPU		
Software	Sinterit Studio Advanced		
Nitrogen needed	No		
Refresh ratio[2]	0[3]	%	
Colour	light grey		
Particle size	55-75	µm	laser diffraction
Printout density	0.77	g/cm^3	PN-EN ISO 845:2010
Printout water absorption	12.2	%	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.
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.

Mechanical properties			Test method
Tensile Strength	1.8	MPa	PN-EN ISO 37:2007
Elongation at Break	137	MPa	PN-EN ISO 37:2007
Shore hardness in type A scale	45-58[4]		PN-EN ISO 868:2005

Thermal properties			Test method
Melting point	150	°C	Internal procedure
Softening point (Vicat, A50)	60	°C	PN-EN ISO 3006:2014-02

4. Depending on printing settings and the design.

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