



Flexa Soft

Elastic and soft

Soft | Elastic prints



General information

General information		Method
Material type	TPU	
Granulation	50 - 80 [µm]	
Color	Light Grey	
Material refreshing ratio ¹	0 [%]	
Compatible with ²	Lisa ⁴ & Lisa Pro	

Parameters

Tensile Strength	1.8 [MPa]	PN-EN ISO 37:2007
Elongation at Break	137 [%]	PN-EN ISO 37:2007
Shore hardness in type A scale	45 / 56 ³	PN-EN ISO 868:2005

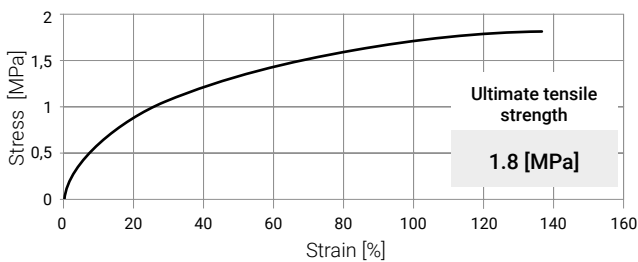
Thermal properties

Softening point (Vicat method type A50)	60.0 [°C]	PN-EN ISO 306:2014-02
Melting point	150 [°C]	Internal procedure
Printout density	0.70 [g/cm ³]	PN-EN ISO 845:2010
Printout water absorption	12.2 [%]	PN-EN ISO 62:2008

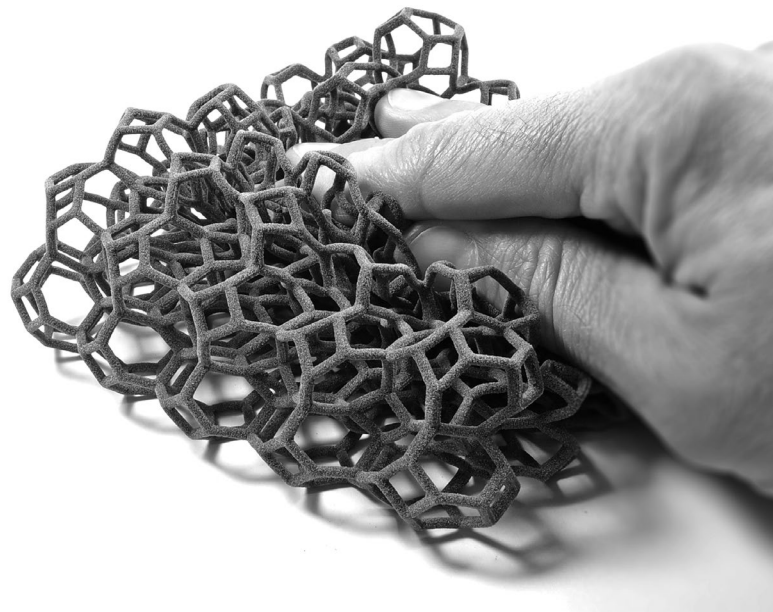
Applications

Gaskets, medical models, sensory toys, clothing parts.

Tensile testing



While the tensile stress does not exceed 0.8 [MPa], after load release, the test specimens retain their shape, with no external damage observed (e.g. fractures). The test specimens fracture when a max tensile stress of 1.8 [MPa] is applied.



¹ Material refreshing ratio - percent of Fresh powder which has to be mixed with Used (unsintered) powder - to be reused during next print. FLEXA has 100 [%] of usability.

² Available as part of the appropriate profile purchased.

³ Depending on printing settings.

⁴ Compatible only with Lisa 1.5 or higher versions.