



# Flexa Soft

Elastic and soft

Soft | Elastic prints



## General information

General information		Method
Material type	TPU	
Granulation	50 - 80 [ $\mu\text{m}$ ]	
Color	Light Grey	
Material refreshing ratio <sup>1</sup>	0 [%]	
Compatible with <sup>2</sup>	Lisa <sup>4</sup> & 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 <sup>3</sup>	PN-EN ISO 868:2005

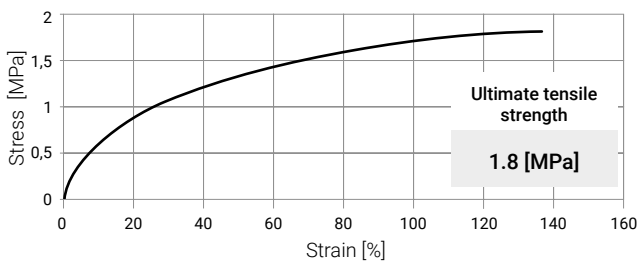
## Thermal properties

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

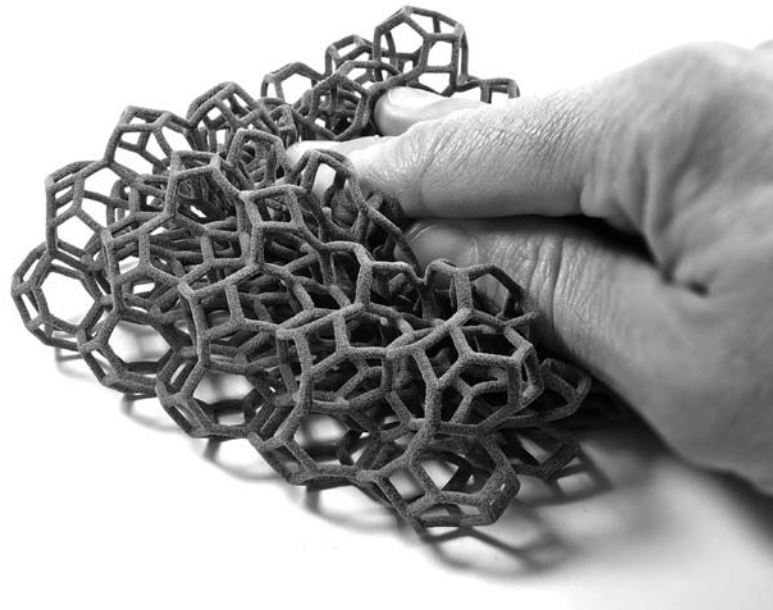
## Applications

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.



<sup>1</sup> 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.

<sup>2</sup> Available as part of the appropriate profile purchased.

<sup>3</sup> Depending on printing settings.

<sup>4</sup> Compatible only with Lisa 1.5 or higher versions.