



# Flexa Bright

Flexible and dyeable

Flexible | Dyeable | Brightly colored



## General information

General information		Method
Material type	TPU	
Granulation	26 - 117 [µm]	
Color	Oyster White	
Material refreshing ratio <sup>1</sup>	0 [%]	
Compatible with <sup>2</sup>	Lisa & Lisa Pro	

## Parameters

Tensile Strength	10.0 [MPa]	PN-EN ISO 37:2007
Elongation at Break	318 [%]	PN-EN ISO 37:2007
Shore hardness in type A scale	79	PN-EN ISO 868:2005

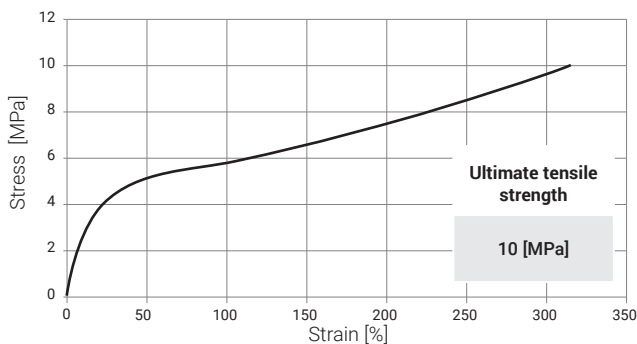
## Thermal properties

Softening point (Vicat method type A50)	75.1 [°C]	PN-EN ISO 306:2014-02
Melting point	160 [°C]	Internal procedure
Printout density	0.95 [g/cm³]	PN-EN ISO 845:2010
Printout water absorption	3.0 [%]	PN-EN ISO 62:2008

## Applications

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

## Tensile testing



While the tensile stress does not exceed 4.0 [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 10 [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. Although to keep the parameters of printouts as high as it is possible, we recommend adding 10% of fresh powder each time.

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

Information provided within this document are average values for reference and comparison only. Parameters presented in this specification are subject to change. Final part properties may vary based on printed part design and print orientation.