



Flexa Bright

Flexible and dyeable

Flexible | Dyeable | Brightly colored



General information

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

Parameters

Tensile Strength	10.0 [MPa]	PN-EN ISO 37:2007
Elongation at Break	317 [%]	PN-EN ISO 37:2007
Shore hardness in type A scale	79	PN-EN ISO 868:2005

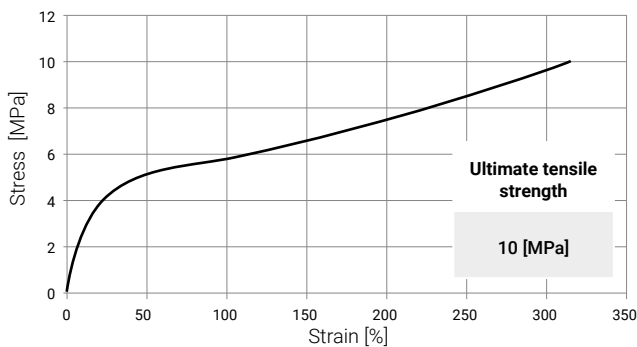
Thermal properties

Softening point (Vicat method type A50)	75.1 [°C]	PN-EN ISO 306:2014-02
Melting point	190 [°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.



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.