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	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

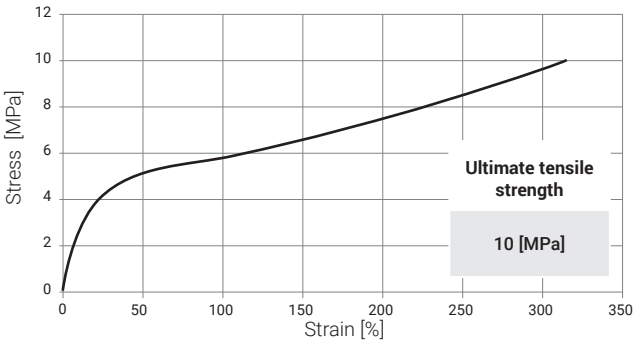
Applications

Visual aids for medical industry, elastic printouts with higher mechanical resistance, high-elongation parts. prototyping clothing parts, cosmetic prototypes.

Functions

High mechanical TPU, ability to dye, high-elongation, bright color.

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. Although to keep the parameters of printouts as high as it is possible, we recommend adding 10% of fresh powder each time.

[2] Available as part of the appropriate profile purchased.