

Excellent surface finish and feature details | Adjustable hardness | 100% reusable

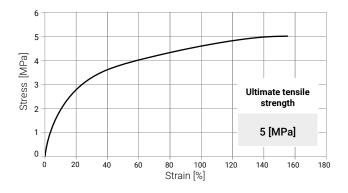


General information		Method
Material type	TPU	
Granulation	20-105 [μm]	
Color	Black	
Material refreshing ratio ¹	0 [%]	
Compatible with ²	Lisa & Lisa Pro	
Parameters		
Tensile Strength	5.0 [MPa]	PN-EN ISO 37:2007
Elongation at Break	155 [%]	PN-EN ISO 37:2007
Shore hardness in type A scale	80 / 90 ³	PN-EN ISO 868:2005
Thermal properties		
Softening point (Vicat method type A50)	82.3 [°C]	PN-EN ISO 306:2014-02
Melting point	160 [°C]	Internal procedure
Printout density	0.85 [g/cm³]	PN-EN ISO 845:2010

Applications

Flexible parts or objects, medical devices, fantoms, cable jacketing.

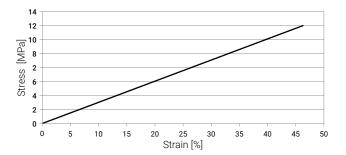
Tensile testing



While the tensile stress does not exceed 2.3 [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 5 [MPa] is applied.



Compression testing



While the compressive stress does not exceed 12 [MPa], after load release, the test specimens retain their shape, with no external damage observed (e.g. fractures).



- 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.

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.