



TPE

Dense, elastic and strong

Elastic | Durable | Dense | After sealer covering - watertight & airtight



General information

Method

Material type	TPE
Granulation	50 - 80 [µm]
Color	Grey
Material refreshing ratio ¹	10 [%]
Compatible with ²	Lisa & Lisa Pro

Parameters

Tensile Strength	6.0 [MPa]	PN-EN ISO 37:2007
Elongation at Break	196 [%]	PN-EN ISO 37:2007
Shore hardness in type A scale	90	PN-EN ISO 868:2005

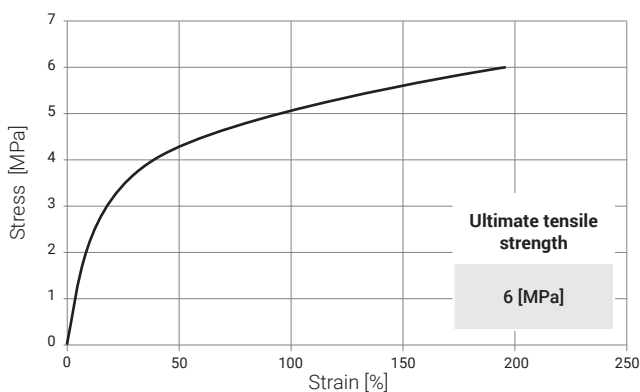
Thermal properties

Melting point	190 [°C]	Internal procedure
Printout density	0.70 [g/cm³]	PN-EN ISO 845:2010

Applications

Shoes/insoles parts (wear resistance), watertight/airtight items, gaskets, skin-touch applications for rubbers, footwear prototypes, hoses and tubes - it's water/air tight, shock absorbers.

Tensile testing



While the tensile stress does not exceed 3.0 [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 6 [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.

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.