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

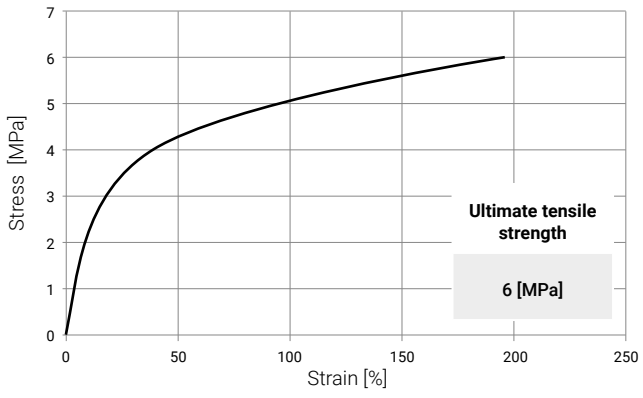
Thermal properties

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.
[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.