



# TPE

Dense, elastic and strong

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



## General information

General information		Method
Material type	TPE	
Granulation	50 - 80 [µm]	
Color	Grey	
Material refreshing ratio <sup>1</sup>	10 [%]	
Compatible with <sup>2</sup>	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

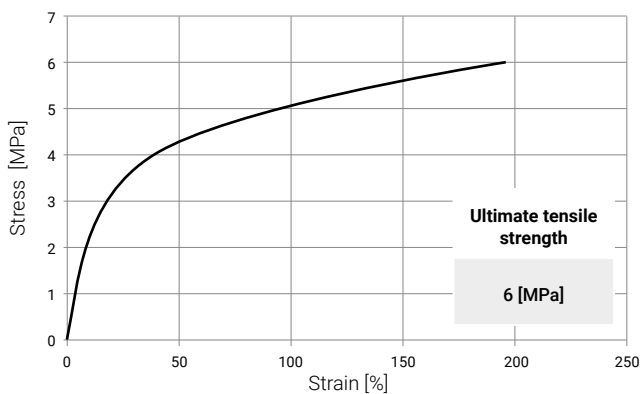
## Thermal properties

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.



<sup>1</sup> 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.

<sup>2</sup> Available as part of the appropriate profile purchased.