

TPE

Material's Technical Data Sheet

Elastic and mechanically resistant material with ability to become air/watertight.

Compatible with:

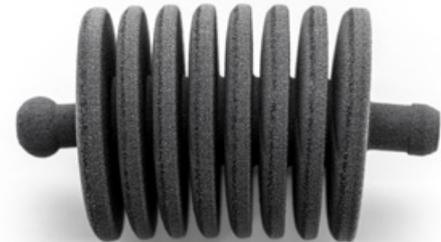


FEATURES

- elastic
- durable
- dense
- after sealer covering – watertight & airtight

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



General information

General information		Test method	
Material type	Block polyester		
Software	Sinterit Studio Advanced		
Nitrogen needed	No		
Refresh ratio ²	10 ³	%	
Colour	grey		
Mean particle size	50-80	µm	laser diffraction
Bulk density	450	kg/m ³	PN-EN ISO 60:2010
Printout density	0.7	g/cm ³	PN-EN ISO 845:2010

1. Available on request.
2. Refresh ratio is the amount of refreshing powder that is required to be mixed after the printing with unsintered material.
3. It might need additional refresh with 50% in case of a drop of surface quality (every few to over a dozen printouts).

Information provided within this document are average values for reference and comparison only. All tests were performed with print samples from Lisa/Lisa Pro printers. Parameters presented in this specification are subject to change without notice. Final part properties may vary based on printed part design, print orientation and material handling.

Mechanical properties

			Test method
Tensile Strength	6	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

			Test method
Melting point	189	°C	internal procedure