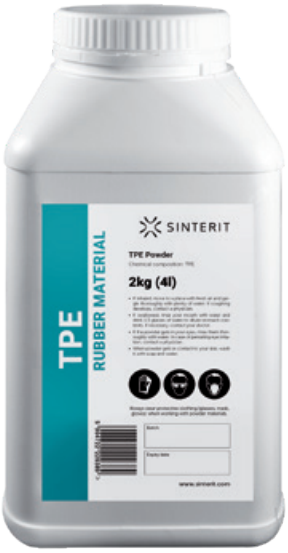
TPE

Material's Technical Data Sheet



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

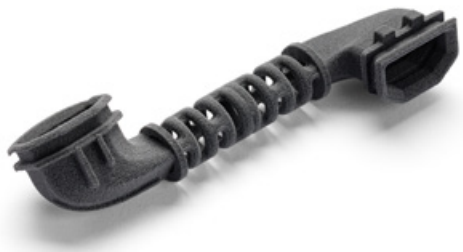
Compatible with: LISA PRO, LISA X, NILS 480 [1]

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			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).

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

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