

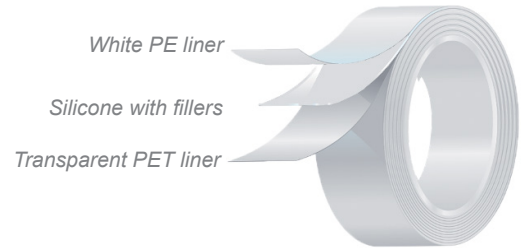
# TSI10-1000

High performance silicone interface for thermal management

**Reference: 04 TSI10100 00**

**Product profile**

- Release liner: White PE liner siliconized on one side
- Material: Silicone with fillers
- Release liner: Transparent PET liner siliconized on one side (50µm)

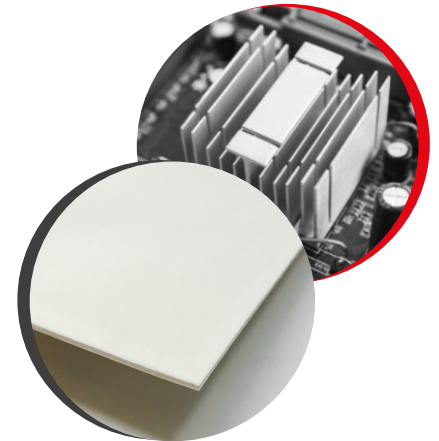


**Application**

With its unique and highly innovative construction, TSI10-1000 product is designed for the following applications: thermal management, heat-sink thermal interface, LED lighting thermal management.

**Technical properties**

	Test method	Value
Thickness - without liner (µm)	-	1000
Density	-	1.8
Shore hardness (Shore 00)	ASTM D2240 at 30s	40
Young modulus (kPa)	ASTM D575	130
Thermal conductivity (W/m.K)	ASTM D5470	1.5
Electric breakdown voltage (V)	ASTM D 149	AC: 13000 DC: 22000
Volume resistivity (Ω.cm)	ASTM D257	10 <sup>11</sup>
Flammability	UL 94	V0
Continuous use temperature (°C)	Internal	-60 to 200



**Product features**

- European product (technology and manufacturing)
- Silicone oil free (no leakage / low outgazing)
- Wide web process, designed for large volume
- Tacky surface on both sides

**Storage**

Store in dry conditions between 10°C and 35°C in its original packaging. Use within 12 months after delivery.

Compression ratio	Compression force (N/6,4cm <sup>2</sup> )
10 %	10
20 %	47
30 %	82
40 %	93
50 %	117
Sustain 50 %	51

- Test method: ASTM D575-91 for reference
- Specimen diameter: 28.6mm
- Platen diameter: 28.6mm
- Compression velocity: 5mm/min
- Sustain 50%: Remaining force after 1min at 50% compression ratio

This document does not constitute a specification. The information provided in this document is given in good faith, according to the tests made in our laboratory. The values given are typical values and may vary according to application conditions. They are given for information only and do not constitute a warranty. It is the responsibility of the purchaser to determine prior to use the suitability of this material in its application. Revised: April 22th 2024