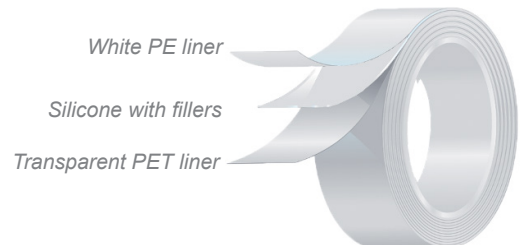


High performance silicone interface for thermal management

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 (50 µm)

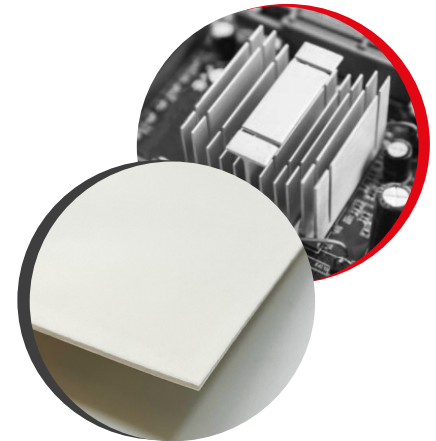


Application

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
Hardness, Bulk Rubber (Shore 00)	ASTM D2240 at 30s	30
Young modulus (kPa)	ASTM D575	130
Thermal conductivity (W/m.K)	ASTM D5470	1.5
Heat Capacity (J/g.K) (at 20°C)	ASTM E1269	1.3
Electric breakdown voltage (V)	ASTM D 149	AC: 13000 DC: 22000
Volume resistivity (Ω.cm)	ASTM D257	10 ¹¹
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 ²)
10 %	10
20 %	47
30 %	82
40 %	93
50 %	117
Sustain 50 %	51

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

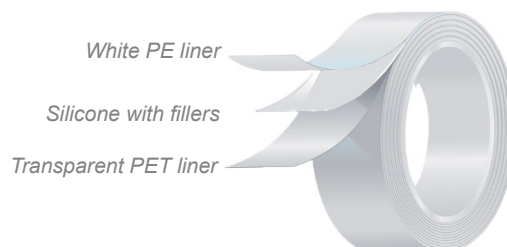
This document does not constitute a specification. The information provided in this document is given in good faith, according to the tests made in our laboratory. The values given are typical values and may vary according to application conditions. They are given for information only and do not constitute a warranty. It is the responsibility of the purchaser to determine prior to use the suitability of this material in its application. Revised: January 09th 2025

High performance silicone interface for thermal management

Reference: 04 TSI10200 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 (50 µm)

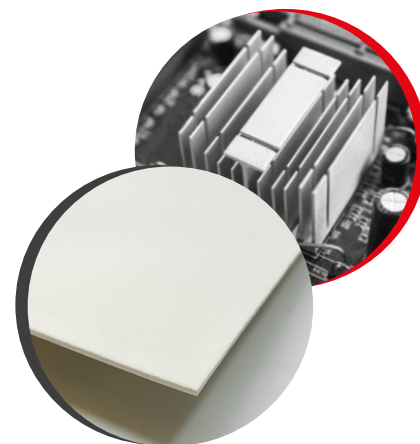


Application

With its unique and highly innovative construction, TSI10-2000 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)	-	2000
Density	-	1.8
Hardness, Bulk Rubber (Shore 00)	ASTM D2240 at 30s	30
Young modulus (kPa)	ASTM D575	130
Thermal conductivity (W/m.K)	ASTM D5470	1.5
Heat Capacity (J/g.K) (at 20°C)	ASTM E1269	1.3
Electric breakdown voltage (V)	ASTM D 149	AC: >13000 DC: >22000
Volume resistivity (Ω.cm)	ASTM D257	10 ¹¹
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 ²)
10 %	37
20 %	78
30 %	91
40 %	127
50 %	171
Sustain 50 %	111

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