

Thermally conductive products

Thermiflex® TF 21332

Electrically insulating

Structure: Thermiflex® TF 21332 is a reinforced acrylic foam film with exceptionally good thermal conductivity.

Properties: Due to its very soft surface texture, Thermiflex® TF 21332 adapts well to the contact surfaces, minimising the thermal contact resistance and thus the overall thermal transfer resistance. The material therefore fulfils the technical requirements placed on an interface material. Thermiflex® TF 21332 is also highly flexible and can be installed quickly, cleanly and reliably.

Applications: Thermiflex® TF 21332 is used for thermal connections and electrical insulation of heat sources. It is used in LED/PDP modules, backlighting, televisions and CPUs in computers. This film also replaces the combination of brittle mica discs with thermal paste, which is critical for process reliability.

Standard colour: Thermiflex® TF 21332 is supplied in white.

Forms of delivery: Thermiflex® TF 21332 is supplied in moulds and blanks according to customer specifications, in the form of standard semiconductor housings.

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Storage conditions: Thermiflex® TF 21332 should be stored in its original packaging at room temperature.

| Properties | Unit | Value |
|------------------------|-------------------|------------|
| Adhesive | - | Acrylate |
| Protective film | - | Paper |
| Total thickness | mm | 0,25 |
| Tolerance | mm | 0,1 |
| Foam density | Kg/m ³ | 1500 |
| Tensile Strength | g/cm ² | 9000 |
| Short-term temperature | °C | +160 |
| Long-term temperature | °C | -30 - +100 |
| Thermal conductivity | W/mK | 1,5 |
| Breakdown voltage | kV | 3,75 |
| Dielectric strength | kV/mm | 15 |
| UV resistance | - | Good |

Trademark information: Thermiflex® is a registered trademark of Dr Dietrich Müller GmbH, Germany.

Please note:

The information in this technical data sheet is based on our current knowledge and experience. Due to the wide range of possible influences during application, it does not exempt the processor and user from carrying out their own tests and trials. A legally binding guarantee of certain properties or suitability for a specific application cannot be derived from our information. Depending on the individual case, we recommend consulting us. The recipient of our products is responsible for observing any industrial property rights and existing laws.