

EC360 TAPE

Thermal Adhesive Series

A general rule for thermal adhesive is that it either has good adhesion properties or conducts heat well. The EC360® TAPE series has its focus on thermal conductivity. Excellent thermal conduction properties make it the perfect choice for particularly challenging applications, which require a higher thermal conductivity than standard thermal tapes. It is notable however that it is not suitable for every application, like

attaching very heavy heatsinks. Handling is particularly safe, as the pads are electrically isolating. The thermal adhesive is double-sided and both sides covered with a protective layer, that can be removed upon installation. It can be easily cut using a scissor, which allows trimming it to the perfect size for any surface.

Types and Configurations

| Thickness* | Available sizes* |
|-------------------|----------------------------------|
| 0.15 mm / 0.006 " | 50x50 mm, 100x100 mm, 200x200 mm |

* Custom configurations are available upon request, for worldwide industrial inquiries please contact us at: sales@extremecool360.com

Technical Properties

| Properties | Unit | Value | Test method |
|----------------------|-----------------------|-----------------------|-------------|
| Color | - | white | Visual |
| Thermal Conductivity | W/mK | 3.0 | ASTM D5470 |
| Thermal Resistance | °C-in ² /W | 0.39 | ASTM D5470 |
| Hardness | Shore OO | 33 | ASTM D 2240 |
| Steel Adhesion | g/25mm | 1000 | ASTM D 1000 |
| Elongation | hours | >48 | ASTM D 1000 |
| Volume Impedance | Ohm-cm | 1.0 x10 ¹⁴ | ASTM D 257 |
| Breakdown Voltage | kV/mm | 4.0 | ASTM D 149 |
| Usable Temperatures | °C | -50 - 120 | EN 344 |

Installation Recommendation

- Clean surfaces from dirt and other possible residue. If applicable, isopropyl 90% alcohol is recommended to ensure a clean surface.
- Remove one of the protective layers and place the exposed side of the thermal adhesive facing the surface of the chip. Once positioned gently press on it to make it stick.
- Remove the second protective layer and install the heatsink.
- Wait for 1 hour for the adhesive to activate.



Disclaimer Properties of the products may be revised due to changes in the manufacturing process. The property values in this document are not guaranteed. This product is made of silicone, this means silicone oil may exude from the product and low molecular siloxane may vaporize depending on operating conditions. This product is designed and manufactured for general industrial use only. Never use this product for medical, surgical purposes and/or other purposes. Never use this product for the purpose of implantation and/or other purposes by which a part of the product remains in the human body. Before using safety must be evaluated and verified by the purchaser. Contents described in the document do not guarantee performances and qualities required for the purchaser's specific purposes. Statements concerning possible or suggested uses made herein may not be relied upon.
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