

TO Thermal Pad

Advanced solution for electronic devices that require effective heat management while ensuring protection against electrical surges. Thanks to excellent thermal conductivity and electrical insulation, the TO pad provides reliability and efficiency in various industrial and electronic applications.

Product features:

- ✓ thermal conductivity 1.5 W/mK,
- ✓ high flexibility and durability,
- ✓ safe to use,
- ✓ easy installation.

Applications:

- ✓ transistors,
- ✓ power systems,
- ✓ electronic devices.

Physicochemical properties

Appearance	Green solid
Thickness	0.3 mm
Density at 20°C	2 g/cm ³
Thermal conductivity	1.5 W/mK
Operating temperature range	-60°C to 200°C
Thermal impedance	2.47°C in ² /W
Heat capacity	1.0 J/(g·K)
Dielectric breakdown strength	6 kV/mm
Dielectric constant	5 Hz
Hardness (Shore A scale)	40 A
Volume resistivity	1*10 ¹¹ Ω x m
Shelf life	3 years



Compatibility:

The TO Thermal Pad is compatible with a wide range of materials, such as metals and plastics. Thanks to its flexibility, it adapts to different surfaces, ensuring maximum contact and efficient heat transfer.

Application method	
Without cutting	Yes
With cutting	Yes

Usage instructions:

Restricted to professional users. Read safety data sheet carefully prior to use.

Before starting the application, make sure that all surfaces that will come into contact with the TO Thermal Pad are clean, dry, and free of contaminants such as dust, grease, or oils. If necessary, use a suitable cleaning agent, e.g., isopropyl alcohol, and a soft cloth. If the size of the pad does not match the space between components, cut it with scissors or a scalpel to fit the project requirements. Then place the TO Pad between the components requiring cooling. Gently press the pad to ensure full contact with the surfaces and maximum thermal conductivity. After securing the pad, assemble the device, making sure that the components are properly fastened. The TO Thermal Pad is ready for use immediately after installation. If disassembly is required, it can be easily removed, which makes it a very practical solution. However, avoid excessive pressure on the pad to prevent damage to its structure or the surfaces of the components, especially in the case of delicate parts.

Package

String bag

18 x 13 mm (ART.AGT-241) - 5 pcs.*
23 x 18 mm (ART.AGT-242) - 5 pcs.*
26 x 25 mm (ART.AGT-243) - 5 pcs.*
41.5 x 28.2 mm (ART.AGT-240) - 5 pcs.*

*Quantity of pcs. in a bulk package.

Storage:

Store the product in a dry place. Protect from direct sunlight.

Technical support:

AG TermoPasty provides technical support, answering questions about the technical specifications and applications of our products. Please contact us via email at info@termopasty.pl.

Note:

The data presented in this document reflect our current state of knowledge and describe the typical properties and applications of the product. However, the responsibility for determining the suitability of this product for specific applications lies with the user. AG TermoPasty is not liable for the results of the product's use, as the conditions of its application are beyond our control.

