

# Thermal conductive paste H2

A comprehensive solution for ensuring effective heat dissipation and protection of electronic devices. Thanks to its thermal conductivity of  $>0.88$  W/mK and excellent electrical insulating properties, this product performs well across a wide range of applications, from home appliances to advanced industrial devices. Its unique formula resistant to chemical agents makes it the ideal paste for a broad spectrum of uses.

## Product features:

- ✓ thermal conductivity:  $>0.88$  W/mK,
- ✓ high temperature resistance,
- ✓ resistance to acids, bases, salts, hydrogen sulfide, and ammonia,
- ✓ excellent dielectric properties,
- ✓ versatile applications,
- ✓ easy to apply.

## Applications:

- ✓ modules with high thermal conductivity requirements,
- ✓ cooling devices for end plates or heat sinks,
- ✓ mass storage and high-speed drives, HDD and DVD drives,
- ✓ drives for motors in the automotive industry,
- ✓ inverters, small electronic and electrical components,
- ✓ notebooks and computers, network communication equipment,
- ✓ high-power LED diodes,
- ✓ RTV and home appliances, air conditioners.

## Physicochemical properties

Appearance	White paste
Density at 20°C	$\sim 2.7$ g/cm <sup>3</sup>
Thermal conductivity	$>0.88$ W/mK
Operating temperature range	-50°C to 250°C
Freezing point	-50°C
Flashpoint	350°C
Specific heat at 50°C	0,24 Cal/gK
Viscosity	Non-fluid
Refractive index	1.41
Volume resistivity (ASTM D257)	$4.7 \cdot 10^{13}$ p $\Omega$ x m $4.7 \cdot 10^{15}$ $\Omega$ x cm
Dielectric loss tg $\delta$ (ASTM D150)	0.007 (120 Hz) 0.004 (1 kHz) <0.001 (10 kHz) <0.001 (100 kHz)
Dielectric constant $\epsilon_r$ (ASTM D150)	6.8 (120 Hz) 6.8 (1 kHz) 6.8 (10 kHz) 6.8 (100 kHz)
Shelf life	3 years



**Compatibility:**

H2 silicone paste is safe for a wide range of materials, including electronic and mechanical components. Its chemical resistance and non-conductivity ensure reliability even in demanding industrial conditions.

Application method	
Machine application	Yes
Stencil	Yes
Cartouche gun	Yes

**Usage instructions:**

**Restricted to professional users. Read SDS carefully prior to use.**

Before use, ensure that the surfaces are clean and dry. Apply a thin, even layer of the paste to the contact surfaces, avoiding excess material that could impact effective heat conduction. Assemble the radiator or other components according to the manufacturer's instructions.

Package	
Cartouche	800 g (ART.AGT-309) - 2/6 pcs.*
Plastic bucket	5 kg (ART.AGT-318) - 1 pcs.*

\*Quantity of pcs. in a bulk package

**Storage:**

Store in a well-ventilated, cool, and dry place. Containers must remain tightly closed. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

**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](mailto: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.

