



# TCC-8256

Silicone Thermal Paste

2025/01/09 Draft. **PDS**

## Description

TCC-8256 is a polysiloxane composition with thermal conductivity, which is used for heat conduction between various surfaces, and can reduce the influence of thermal conductivity due to voids.

## Storage & packaging

When stored in its originally sealed packaging at 5°C - 40°C, this product may be stored for up to 8 months from its manufacturing date. Comply with the storage instructions marked on the packaging. Once past this expiration date, TAI COUNTY CHEMICAL no longer guarantees that the product meets the sales specifications.

Product comes in 1KG drums and 20KG drums.

## Characteristics

- Good thermal conductivity
- Passed UL94-1997 Test for Flammability of Plastic Materials for Equipment and Appliance Parts
- Adjust the proper viscosity for easy use
- Green environmental protection material, no heavy metal pollution

## Applications

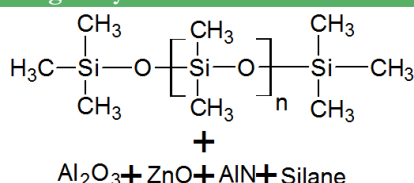
- Electronic components, such as power transistors, thyristors, etc.
- It is used to improve the heat conduction between various surfaces and avoid the influence of the gap to reduce the heat conduction.

## Properties

Appearance White to gray paste

Active ingredient(%) 100.0%

Specific gravity 2.05±0.3



## Safety

This document does not contain the safety information required for the product. Please read the safety data sheet for this product before use.

## Processing

- Application  
Spread TCC-8256 silicone thermal paste between the surfaces of the material.  
(Depending on the actual conditions, you can adjust the usage amount.)

## Material Property Data

| Material Properties     | Data                            |
|-------------------------|---------------------------------|
| Volume Resistance       | > 1.0 x 10 <sup>14</sup> ohm-cm |
| Insulation Permittivity | > 25Kv/mm                       |
| Thermogravimetric Loss  | < 0.5% (175°C X 168Hr)          |
| Thermal Conductivity    | > 1.45 w/m-K                    |

The information contained in this manual is given based on our current knowledge and good faith. It is indicative only and not binding, especially regarding the impact on third-party rights during product use. TAI COUNTY CHEMICAL ensures the products it sells conform to specifications. Only necessary preliminary tests can determine if a product is suitable for specific applications, and this information cannot replace such tests. Users are responsible for ensuring compliance with local legislation and obtaining necessary usage certificates and authorizations. Users are requested to check if they have the latest version of this document, and TAI COUNTY CHEMICAL is always ready to provide additional information to customers.

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