

# Thermal Silicone Grease

**multicomp**PRO

**RoHS  
Compliant**



## Features

- Good thermal conductivity
- Easy to assemble
- High stability
- Does not harden with time

## Applications

### Displays, lighting protection

PDP TV, LCD CCFL and LCD LED display backlight, LED Signage, projectors and new display technology.

### Consumer and industrial electronics

Mobile telephone, communication base station, laptop, notebook, computer servers, handheld gaming devices, memory modules, CPU modules, amplifiers, batteries, and DC to DC converter power supplies.

### Automotive electronics

Engine management, electronic suspension, braking systems, communication and multimedia systems, comfort convenience features, vehicle lighting, vehicle controls, hybrid vehicle battery thermal management, electric vehicle thermal management.

## Characteristic

| Properties               | Value                      | Test Method  |
|--------------------------|----------------------------|--------------|
| Colour                   | White                      | Visual       |
| Thermal Conductivity     | 1.4W/mK                    | ROCT8.140-82 |
| Thermal Impedance        | <0.23°C-in <sup>2</sup> /W | ROCT8.140-82 |
| Specific gravity         | 2                          | ASTM D1475   |
| Evaporation %            | 0.001%                     | FS 791       |
| Bleed %                  | 0.05%                      | FS 791       |
| Dielectric Constant      | 5.1kV/mm                   | ASTM D150    |
| Viscosity                | None                       | Not tested   |
| Thixotropic index 1/10mm | 380 ±10                    | GB/T-269     |
| Short Term Temperature   | -50°C to +340°C            | -            |
| Operation Temperature    | -30°C to +300°C            | -            |

## Part Number Table

| Description                                  | Part Number       |
|----------------------------------------------|-------------------|
| Thermal Silicone Grease, White, 1.4W/mK, 1kg | MPGCS-014-SM4-1kg |
| Thermal Silicone Grease, White, 1.4W/mK, 30g | MPGCS-014-SM4-30g |

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