



**EN:** This Datasheet/Document is presented by the manufacturer.

Please visit our website for pricing and availability at [www.hestore.hu](http://www.hestore.hu).

# 860



## Silicone Heat Transfer Compound

860 is a thermal paste designed to reduce thermal resistance between irregular metal surfaces. Coupled with reasonable thermal conductivity, it has a soft consistency and a wide operating temperature range, making it an ideal thermal paste for CPU applications.

This silicone-based thermal paste is mostly used to improve heat flow between heat sinks and heat-generating components, such as CPUs, GPUs, LEDs, motors, and power components.



## Features & Benefits

- High dielectric strength
- Excellent corrosion resistance
- Non-bleeding heat transfer paste
- Non-electrically conductive
- Long service life

## Available Packaging

| Cat. No.  | Packaging | Net Vol. | Net Wt. |
|-----------|-----------|----------|---------|
| 860-4G    | Pouch     | 1.7 mL   | 4 g     |
| 860-60G   | Jar       | 25 mL    | 60 g    |
| 860-150G  | Tube      | 62.5 mL  | 150 g   |
| 860-1P    | Jar       | 470 mL   | 1.13 kg |
| 860-3.78L | Pail      | 3.78 L   | 9.07 kg |

## Storage and Handling

Store between 0 and 30 °C in a dry area, away from sunlight (see SDS).

## Contact Information

MG Chemicals, 1210 Corporate Drive  
Burlington, Ontario, Canada L7L 5R6

Email: [support@mgchemicals.com](mailto:support@mgchemicals.com)

Phone: North America: +(1)800-340-0772

International: +(1) 905-331-1396

Europe: +(44)1663 362888

## Properties

|                                                 |                                             |
|-------------------------------------------------|---------------------------------------------|
| Color                                           | White                                       |
| Filler                                          | Zinc oxide                                  |
| Base Material                                   | Silicone oil                                |
| Density                                         | 2.4 g/mL                                    |
| Viscosity                                       | 490 Pa·s                                    |
| Resistivity                                     | $1.5 \times 10^{15} \Omega \cdot \text{cm}$ |
| Thermal Conductivity @ 25 °C                    | 0.7 W/(m·K)                                 |
| Evaporation Loss, 22 h @ 165 °C                 | 0.1 %                                       |
| Oil Separation, 30 h @ 165 °C                   | 0.7 %                                       |
| Worked Penetration, ½ scale                     | 303                                         |
| Water Washout @ 38 °C,<br>Bearing Dried @ 77 °C | 0.1 %                                       |
| Dielectric Strength                             | 400 V/mil                                   |
| Dielectric Constant @ 1 000 cps                 | 3.8                                         |
| Dissipation Factor @ 1 000 cps                  | 0.003                                       |
| Service Temperature Range                       | -40–200 °C                                  |

## Disclaimer

This information is believed to be accurate. It is intended for professional end-users who have the skills required to evaluate and use the data properly. M.G. Chemicals Ltd. does not guarantee the accuracy of the data and assumes no liability in connection with damages incurred while using it.