



MG Chemicals offers a full line of thermal pastes with a range of operating temperatures and thermal conductivities that enable the end-user to select the best thermal paste based on their needs. When placed between heat-generating components and heat sinks, a thermal paste displaces air pockets, which ensures full contact between the two surfaces, and prevents overheating

## Features & Benefits

- High thermal conductivity
- Non-electrically conductive
- Excellent corrosion resistance
- Thixotropic, non-sagging
- Odorless

## Applications

- Thermal management for computers and game system consoles
- Heat-dissipation for motors and LEDs

## 860—Silicone heat transfer compound

Service temperature range of -40 to 200 °C

Thermal conductivity of 0.7 W/(m·K)

## 8616—Non-silicone heat transfer compound

Service temperature range of -70 to 165 °C

Thermal conductivity of 2.0 W/(m·K)



# Thermal Pastes



## PROPERTIES

Color  
Filler  
Base Material  
Density  
Viscosity  
Resistivity  
Thermal Conductivity @ 25 °C  
Evaporation Loss, 22 h @ 165 °C  
Oil Separation, 30 h @ 165 °C  
Worked Penetration, ½ scale  
Water Washout @ 38 °C, Bearing Dried @ 77 °C  
Dielectric Strength  
Dielectric Constant @ 1 000 cps  
Dissipation Factor @ 1 000 cps  
Service Temperature

860

White  
Zinc oxide  
Silicone oil  
2.4 g/mL  
490 Pa·s  
 $1.5 \times 10^{15} \Omega \cdot \text{cm}$   
0.7 W/(m·K)  
0.1%  
0.7%  
303  
0.1%  
400 V/mil  
3.8  
0.003  
-40 to 200 °C

8616

White  
Zinc oxide, alumina, boron nitride  
Synthetic oil  
2.6 g/mL  
365 Pa·s  
 $1.8 \times 10^{11} \Omega \cdot \text{cm}$   
2.0 W/(m·K)  
1.2%  
0.02%  
287  
0.9%  
330 V/mil  
6.8  
0.01  
-70 to 165 °C

## AVAILABLE PACKAGING

Net contents

860-4G, 1.7 mL (Pouch)  
860-60G, 25 mL (Jar)  
860-150G, 62.5 L (Tube)  
860-1P, 470 mL (Jar)  
860-3.78L, 3.78 L (Pail)

8616-3ML, 3 mL (Syringe)  
8616-25ML, 25 mL (Jar)  
8616-85ML, 86 L (Tube)  
8616-1P, 483 mL (Jar)  
8616-1G, 3.78 L (Pail)

