



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)

