



## Silicone Free Heat Sink

1978

Heat sink draws heat away when applied to a component. In electronics, heat sink compound is generally used to thermally bond a component with a mechanical heat sink. For electrical applications, it is used with thermocouple wells, thermistors, and calorods, or wherever efficient cooling is required.



[Request More Info](#)



### Heat-sink for electronics, avoid silicone contamination

Ideal for electronic applications where silicone contamination hurts solderability and increase solder defects.

- Thermal conductivity - 0.92 W/m-K
- Functional temperature range -40°F to 392°F (-40°C to 200°C)
- Non-ozone depleting
- Avoid solder defects due to silicon contamination
- Easy application
- Will not separate
- Will not harden and crack

## Product Packaging

**1978-DP**  
Silicone Free Heat Sink Comp  
4 oz  
24 units/case



**1978-1**  
Silicone Free Heat Sink  
1 lb  
1 units/case



## Technical Information



**Techspray**  
8125 Cobb Center Drive,  
Kennesaw, GA 30152  
800-858-4043 • [www.techspray.com](http://www.techspray.com)



### Chemical Composition

CHEMICAL NAME	CAS #
Zinc oxide	1314-13-2
NJ Trade Secret Reg. #00840600-5000P	
NJ Trade Secret Reg. #00840600-5001P	
NJ Trade Secret Reg. #00840600-5002P	

### Performance & Application Data

Consistency (Penetration, worked, 60X)	320
Bleed, @200C, 24 hrs, %/wt	0.1
Evaporation, @200C, 24 hrs, %/wt	0.6
Thermal Conductivity, @36C, W/m-K	0.92
Dielectric strength, 0.05" gap, V/mil	305
Dielectric constant, 25C @1,000 Hz	4.50
Dissipation factor, 25C @1000 Hz	0.0029
Volume Resistivity, ohm-cm	1.65 x 10 <sup>14</sup>
Operating Temperature Range	-40C to 200C
Flow rate, grams/min	4 to 6.5

## Environmental Policy

Techspray is committed to developing products to ensure a safer and cleaner environment. We will continue to meet and sustain the regulations of all federal, state and local government agencies.

## Resources

Techspray products are supported by a global sales, technical and customer services resources.

For additional technical information on this product or other Techspray products in the United States, call the technical sales department at 800-858-4043, email [tsales@techspray.com](mailto:tsales@techspray.com) or visit our web site at: [www.techspray.com](http://www.techspray.com).

### North America

Techspray  
P.O. Box 949  
Amarillo, TX 79105  
800-858-4043  
Email: [tsales@techspray.com](mailto:tsales@techspray.com)

### Europe

ITW Contamination Control  
Saffierlaan 5  
2132 VZ Hoofddorp  
The Netherlands  
+31 88 1307 400  
Email: [info@itw-cc.com](mailto:info@itw-cc.com)

### Countries Outside US

Call to locate a distributor in your country.



**Techspray**  
8125 Cobb Center Drive,  
Kennesaw, GA 30152  
800-858-4043 • [www.techspray.com](http://www.techspray.com)



Important Notice to Purchaser/User: The information in this publication is based on tests that we believe are reliable. The results may vary due to differences in tests type and conditions. We recommend that each user evaluate the product to determine its suitability for the intended application. Conditions of use are outside our control and vary widely. Techspray's only obligation and your only solution is replacement of product that is shown to be defective when you receive it. In no case will Techspray be liable for any special, incidental, or consequential damages based on breach of warranty, negligence or any other theory.

© 2017 Techspray, A Division of ITW