



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 calrods, or wherever efficient cooling is required.



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 cra

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



Techspray
P.O. Box 949, Amarillo, TX 79105
800-858-4043 • www.techspray.com



Technical Information

Chemical & Physical Properties

Appearance	Gray paste
Odor	none
Flash Point	296°C (565°F)
Boiling Point	> 204°C (400°F)

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	1.65×10^{14}
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.



Techspray
P.O. Box 949, Amarillo, TX 79105
800-858-4043 • www.techspray.com



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 or visit our web site at: www.techspray.com.

North America

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

Europe

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

Countries Outside US

Call to locate a distributor in your country.

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.

© 2013 Techspray, A Division of ITW

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Chemicals](#) category:

Click to view products by [Techspray](#) manufacturer:

Other Similar products are found below :

[DP-605NS](#) [3045-QT](#) [3125-9S](#) [5200-WHITE-3OZ](#) [3748-Q-58"x8"](#) [FO-25DT](#) [S1009-KIT-A-CS8606](#) [DP100-200ML](#) [1743-2FP](#) [152-KA-NC](#)
[826-450G](#) [9729](#) [9223](#) [9945](#) [7000000275](#) [1601](#) [8330-19G](#) [842AR-15ML](#) [841AR-150ML](#) [842AR-P](#) [843WB-15ML](#) [8462-85ML](#) [4354-1L](#)
[838AR-P](#) [838AR-15ML](#) [419D-P-BK](#) [419D-P-GR](#) [419D-P-WH](#) [8MT-450](#) [8MT-25](#) [832HD-25ML](#) [8616-25ML](#) [832FX-450ML](#) [834ATH-](#)
[375ML](#) [832HD-400ML](#) [8617-1P](#) [843AR-340G](#) [9310-300ML](#) [847-1P](#) [4228-225ML](#) [419D-55ML](#) [8800-375ML](#) [8810-375ML](#) [8820-2.55L](#)
[419E-340G](#) [842UR-12ML](#) [419D-1L](#) [CW3300WHITE](#) [CW2205](#) [10447](#)