



Silicone Free Heat Sink Compound

Heat Sink Compound

1978

Introduction

A silicone free compound applied under power transistors and other devices that generate heat to assist in transferring heat from generating objects to metal chassis for dissipation. Product will not harden, dry out, melt, or contaminate wave solder baths. Designed to eliminate the phenomenon of silicone migration. Product has a functional temperature range from -40°C (-40°F) to 200°C (392°F).

Features / Benefits

- Functional Temperature Range (-40°C - 200°C)
- Will Not Harden
- Silicone Free

Technical Data	
Color	Smooth White
Solids Content:	WT. % 65 % Min
Thermal Conductivity	@ 36°C 16.7x10 ⁻⁴ CAL/SEC Cm C, Min.
Interface Thermal Resistance	(Recs) 0.043 C/W
Bleed	24 Hrs. @ 200°C, WT.% 0.09% Max
Evaporation	24 Hrs. @ 200°C, WT.% 0.06% Max.
Volume Resistivity	2.3x10 ¹² OHMS/CM
Dielectric Strength	200 volts/Mil
Specific Gravity	2.7 @ 25°C per ASTM D70 test method
Penetration	360
Operating Range	-40°C (-40°F) to 200°C (392°F)

Chemical Components

Zinc Oxide, USP.....(1314-13-2) <70%
 00840600 Trade Secret # 5000P
 00840600 Trade Secret # 5001P
 00840600 Trade Secret # 5002P
 Trade Secret Registered with State of New Jersey.
 Zinc oxide in paste form and does not exhibit a dust hazard.
 This product does not contain any hazardous ingredients as per OSHA 29 CFR 1910.1200 Subpt.(z).

Environmental Policy

Techspray® is committed to developing products that have minimal effects on the environment. We will continue to meet and sustain the regulations of all federal, state and local government agencies.

Packaging and Availability

Silicone Free Heat Sink Compound is available in the following sizes:

1978-DP	4 Ounce Squeeze Tube
1978-1	1 Pound Tub

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.

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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.



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