

JIT SILICONES +

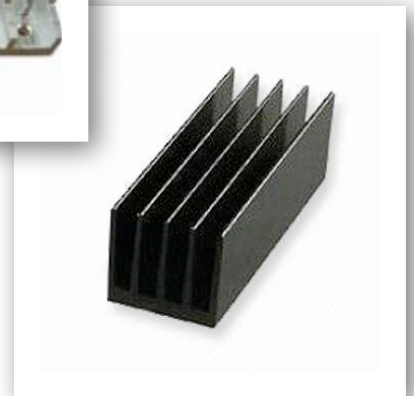
Heat Sink Compound

Heat Sink Compound

Primary Use:

Thermal coupling of electrical devices to heat sinks

- White Color
- Service Temperature -40° F to 400° F
- Silicone grease-like consistency with heat conductive metal oxide filler



Standard package sizes:

ITEM #	SIZE	NOTE
20026	6 oz Tube	12 Tubes Per Standard Box
20029	1 Gallon Pail	Plastic Pail
20030	5 Gallon Pail	Plastic Pail
20031	55 Gallon Drum	Metal Drum

JIT Silicones +

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Available from:

Heat Sink Compound

FEATURES

- Easy to apply
- Excellent dielectric properties
- Stable and flexible from - 40° to 400°F (-40° C to 204°C)

COMPOSITION

- Silicone
- Zinc Oxide

APPLICATIONS

Heat Transfer compounds are designed for promoting heat dissipation in electrical and electronic devices. Some of the more common applications include:

- Mounting Power Supplies, semiconductor devices and transistors
- Thermocouple and Thermometer wells
- Heat Transfer on ballasts and thermal joints
- Semiconductors in sound systems
- Transistors in automotive electronics
- Automotive voltage regulators, rectifiers, distributors, and ignition modules
- High voltage corona-suppressant for flyback transformers in TV sets
- Mica Chips

Heat Sink Compound is a thermally Conductive Silicone Compound metal thickened silicone heat transfer compound that offers some of the greatest thermal conductivity properties compared to other silicone compounds. It has high temperature stability up to 204 °C (400° F), making it ideal for an effective thermal coupling.

TYPICAL PROPERTIES

The values reported on this sheet should not solely be used for preparing specifications on this product. Please contact JIT Silicones Plus for assistance in preparing a specification.

Property	Test Method	Typical Value
Color		White, homogenous
Specific Gravity	ASTM D 70	2.4368
Bleed, (150°C /24hrs)	FTM-321 Modified	0
Evaporation, (200°C /24hrs)	FTM-321 Modified	0.7%
Penetration, mm/10	ASTM D 217/D-1403	267
Thermal Conductivity (W/m-K)	CTM (PLTL-73)	0.65
Arc Resistance, (seconds)		165
Dielectric constant, (1kHz)	ASTM D 150	5.0
Dielectric Strength, 50 MI (0.127mm)	ASTM D 149	210 V/mil (14.3kV/mm)
Volume Resistivity (ohm-cm)	ASTM D 257	4.0x10
Dissipation Factor (1kHz)	ASTM D 150	0.0016
Temperature Range, °F, °C		-65° to 400°F (-55° to 204°C)

CERTIFICATION

- RoHS Compliant
- Test data analysis per Mil-DTL-47113D Type I

LIMITATIONS

This product is not tested, nor approved for medical or pharmaceutical uses.

PACKAGING

Heat Sink Compound is available in drums (275 lbs.), 5 gallon pails (60 lbs.) 1 gallon pails (15 lbs.), and 6 oz. tubes

Usable Life & Storage -- When stored at or below 32°C (89.6°F), this product has a minimum usable life of 60 months from date of production.

Handling Precautions - See MSDS Sheet

Limited Warranty - Please Read CarefullyThe information contained herein is offered in good faith and is believed to be accurate. However, Because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that JIT Silicones + (JIT) products are safe, effective, and fully satisfactory for the intended end use. Suggestions of use shall not be taken as inducements to infringe any patent.

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