



Aerolube Technologies



Technical Data Sheet

Siltech 634 Heat Sink Compound

Applications

Stanvac Siltech 634 Heat Sink Compound is used as a heat transfer media in the electrical and electronic industry for facilitating heat dissipation by filling voids and gaps between power components and heat sinks. Useful for the following applications:

- Thermocouple Wells
- Thermometer Wells
- Mounting Power Diodes & Transistors
- Shock & Heat Dissipation in Transistors
- Mounting Semi-Conductor Devices
- Heat Transfer Medium on Ballasts
- Thermal Joints
- Sensors
- Thermistors

Benefits

- Wide service temperature range from -54°C to +200°C
- Low evaporation at high temperatures
- Very low bleed characteristics
- High thermal conductivity
- Exceptional oxidation stability
- Non melting, non-hardening and non-drying

Directions for Use

Use as supplied. Never dilute or mix with other oil or grease. Apply in small quantities on clean surfaces that are absolutely free from dust, foreign particles or contaminants. Squeeze out extra compound by pressing both the surfaces after application and wipe clean to prevent accumulation of dirt & dust.

General

Use in well ventilated areas. Avoid continuous breathing of vapor and spray mist. In closed areas or areas with poor ventilation, use respiratory protection. For complete details on safety, short and long term exposure, refer to this product's safety data sheet (SDS).

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Siltech 634 Heat Sink Compound

TECHNICAL PROPERTY			
Parameter	Value	Unit	Standard
Appearance	Smooth grease		
Base oil	Silicone		
Thickener	Inorganic		
Color ¹	White		
Penetration, worked, 60 strokes	275	mm/10	ASTM D 217
Density, @ 25°C	2	g/cm ³	
Drop point	None	°C	ASTM D 566
Service temperatures	-54°C to +200°C	°C	
Bleed, 24h, 200°C	0.05	% by wt.	
Evaporation, 24h, 200°C	0.5	% by wt.	
Thermal conductivity, K Factor	0.0015	cal/sec-cm-°C	
Dielectric strength (50 mils thickness)	210	volts/mil	ASTM D 149
Arc resistance	165	seconds	ASTMD 495
Dielectric constant			ASTM D 150
- 100 Hz	5		
- 100 kHz	5		
Dissipation factor			ASTM D 150
- 100 Hz	0.01		
- 100 kHz	0.02		
Volume resistivity	2 x 10 ¹⁵	ohm/cm	ASTM D 1169

Available Packaging

1 Kg

Shelf Life

36 months from date of manufacture in sealed condition.

Disposal

All used and unused product should be disposed of in accordance with state regulations.

Handling

Read instructions on the container label of the product before use. The product safety data sheet (SDS) contains the relevant information regarding personal protective equipment, safe use, physical and health hazards. Safety data sheet is available from Aerolube or your local Aerolube distributor.

Limited Warranty

The information and data contained in this sheet is accurate to the best of our knowledge or is obtained from sources, tests or experiences believed by us to be reliable and accurate. User is responsible for determining whether recommended Stanvac product is fit for a particular purpose. All products should be tested for suitability on a particular application prior to actual use. We make no representations of any kind. Data offered without warranty. Product manufactured is for industrial use only.

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