

TECHNICAL SPECIFICATION FOR THERMALLY CONDUCTIVE HEATSINK SILICONE GREASE

ITEM DESCRIPTION : Thermally conductive heatsink silicone grease

Technical specification:

- a) Consistency : Silicone based smooth extrudable paste
- b) Density : 2.3-2.7 gm per cu. cm
- c) Viscosity at 25 °C : 900-1700 Pa.S at 0.5 rpm
230-430 Pa.S at 5 rpm
- d) Fineness : Less than 50 micron
- e) Thermal Conductivity : 1.5 W/m.K
- f) Service temperature : - 40 °C to +200 °C
- g) Dielectric strength : 19 kV per mm
- h) Volume resistivity : 10^{14} Ohm-cm
- i) Mass of grease in each can/Jar : 454 gm (1 can/Jar =1lb)
- j) Quantity. : **72 Cans (staggered for total 4 shipments for 2 years at every 6 months interval)**

Delivery Schedule:

Shipment	Time Period	Quantity
First	T0+ 6 months or before	16 cans/Jars
Second	T0+ 12 months	16 cans/Jars
Third	T0 + 18 months	16 cans/Jars
Fourth	T0 + 24 months	24 cans/Jars

Note :

- 1) T0 indicates the date of release of purchase order.

Terms & Conditions :

- 1. Supplier shall provide a detailed technical specification of the offered item and supporting technical catalogue or data sheet, along with the quotation without which the offer shall be rejected.
- 2. If the quotation is from an agent, certificate of authorization from the manufacturer should be provided along with the quotation, or else the offer will be rejected.

3. Space heritage of the material in ISRO or any space agency elsewhere should be provided along with quotation without which the offer shall be rejected.
4. The material should have a minimum shelf life of 1 year from the date of manufacture.
5. Material should be shipped within 1 month from the date of manufacture.
6. Certificate of conformance and warranty details from the manufacturer shall be provided along with the supplied material.
7. In a consignment, If all the 16 Cans/ 24 Cans are not from a single batch, maximum two batches per consignment are allowed.