Laird

Tgrease 300X
Instructions for Use

Tgrease 300X is a high performance silicone thermal grease. Its unique formula won't harden, dry out, settle or oxidize.

Storage: Keep container lid closed when not in use. Store below 45°C.

Instructions for Use: Mix well before using. Spread on a uniform coating thickness between 0.003" to 0.010" across the heat-sink in an area large enough to cover the component. For large volume applications, automatic dispensing or silk screening is recommended.

Silk Screening:
Place heat sink approximately 1 inch under the taut silk screen. For best results use a 61 threads per inch screen. Finer screens up to 140 threads per inch can be used however application may be slower. Place a dollop of Tgrease 300X across one side of the screen. Run a hard rubber (70 – 90 Shore A Durometer) squeegee across the Tgrease 300X dollop passing across the screen. Turn the hard rubber squeegee over to pass the screened grease a second time with the clean side of the squeegee. Lift off the screen to reveal the printed grease.

Stencil Printing:
Place the heat sink under the stencil. Place a dollop of Tgrease 300X across one side of the stencil. Run a hard rubber (70 – 90 Shore A Durometer) squeegee across the Tgrease 300X dollop passing across the stencil. Repeat if necessary. Remove the stencil to reveal the printed grease. When using the squeegee it is important that it remain stiff throughout and not be allowed to flex. Flexing may cause thickness variation. Measure grease thickness after application.

Pneumatic Dispensing:
Dispense the appropriate volume of Tgrease 300X per in^2 area and thickness desired in a pattern such that when pressure is applied to the Tgrease 300X with a heat sink, the grease will spread yielding uniform void free coverage. The required pattern may vary and should be tested for each application configuration.

First Aid: Please read the MSDS before using or handling this product.
For further questions, please contact Laird Technologies.