

Silicaid[®] 103

Heat Sink Compound



Characteristics:

SILICAID[®] 103 is a silicone compound with high thermal conductivity, low bleed, high temperature stability and a good dielectric constant.

Applications:

Heat sink compound for power transistors & electronic field.

Product Properties:

Color White, opaque.
Penetration (worked 60 strokes) : 250 - 320
Service temp. (range °C) : -60°C to 200°C (for long periods).
Bleed (200°C/30 hours) : 0.5% max.
Evaporation (200°C/24 hours) : 1% max.
Arc resistance : 100 seconds min.
Thermal conductivity (K factor) : 10 X 10⁻⁴ min.
Thermal conductivity (w/mK) : 0.418
Dielectric constant (at 1 Kc) : 4 max.
Specific gravity : 2.3 min.

Military Specifications:

SILICAID[®] 103 is formulated to meet the requirements of MIL-C-47113 & MIS-11137.

Shelf Life:

SILICAID[®] 103 is white in appearance and does not crack or harden by aging.

SILICAID[®] 103 has a shelf life of minimum 12 months if stored in tightly closed original container.

How to Use:

SILICAID[®] 103 is generally applied to the base and mounting studs of power transistors and diodes for thermal and heat transfer between them. SILICAID[®] 103 provide a good insulation as well.

SILICAID[®] 103 can be applied by brushing or wiping.

Safety Instructions:

Please consult SILICAID[®] 103 MSDS

Packaging:

Standard: 10kg, 2kg & tube 200gr.

Other sort of packaging can be used in order to meet specific customer requirements.

