



## Silicaid® 1010

### Characteristics:

SILICAID® 1010 is a grease-like silicone compound with high thermal conductivity, good releasing power, good water repellency, excellent insulation properties, low surface tension, and good stability in high temperatures.

### Applications:

- \* For coating high tension insulators, protecting them against contamination and thus avoiding corona  
Discharge, surface leaking, etc.
- \* For water repellency in ignition systems, batteries, connectors, etc.
- \* Heat sink compound for power transistors
- \* As anti-corrosive lubricant for metal-plastic and metal-rubber system.
- \* As anti-corrosive protection for screw threads in ammunition & military industries.
- \* As release agent in the plastic & rubber manufacturing.
- \* As sealing compound for rubber, plastic & fiber seals.
- \* As valve seal lubricant.
- \* As protective coatings of O-rings & rubber parts.
- \* As a general laboratory grease.

### Product Properties:

Solubility. . . . . : Slightly soluble in polar solvents.  
Soluble in aliphatic, aromatic and chlorinated solvents.

Penetration (unworked). . . . . : 210 - 260

Penetration (worked 60 strokes). . . : 310 max.

Service temp. (range °C). . . . . : -57°C to 204°C (for long periods).

Bleed (200°C/30 hours). . . . . : 8% max.

Evaporation (200°C/30 hours). . . . . : 2% max.

Arc resistance. . . . . : 60 seconds min.

Volume resistivity (OHM - cm). . . : 10 X 10<sup>13</sup> min.

Electrical strength (KV - mm). . . . : 10 min.

Dissipation factor. . . . . : 0.25% max.

Dielectric constant (50 HZ, 1 KHZ). . : 2.9 max.

Thermal conductivity (K factor). . . . : 5 X 10<sup>-4</sup>

### Military Specifications:

SILICAID® 1010 can be formulated to meet the requirements of MIL-S-8660 & MIL-C-21567 (salt spray resistance).



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## Shelf Life:

SILICAID® 1010 is light gray in appearance and does not crack or harden by aging. SILICAID® 1010 has a shelf life of minimum 12 months if stored in tightly closed original container.

## How to Use:

SILICAID® 1010 can be applied by brushing or wiping.

## Safety Instructions:

Although Silicones are particularly inert physiologically and appear to be essentially non-toxic, temporary discomfort may be produced from eye contact with them.

For further information please consult SILICAID® 1010 MSDS

## Packaging:

Standard: 25kg, 5kg, 1kg & tube 100gr.

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