



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 10¹³ 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 10⁻⁴

Military Specifications:

Silicaid® 1010 can be formulated to meet the requirements of MIL-S-8660 & SAE-AS8660 & 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 no technically known shelf-life.

It is recommended to use within 2 years, when 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** SDS

Packaging:

Standard: 25kg, 5kg, 1kg & tube 150gr.

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