

SILICON HT-100 (XG-250)

DESCRIPTION:

SILICON HT-100 is a heat-stable inert, military & aviation grade **XG-250**, high temperature resistant multi-purpose silicone oil thickened grease for use on rubber seals to prevent cracking, on 3-phase connectors to prevent moisture ingress and for general lubrication. **SILICON HT-100** grease provides a smooth, non-melting coating with a broad spectrum of applications. Meets military and aviation specifications.

APPLICATIONS

SILICON HT-100 is used as a filling compound in high tension electrical equipment and ignition systems to provide insulation over a wide temperature range of -54°C to +204°C.

- **Electronics and Telecommunications:** Insulates high voltage parts against leaking and arcing. Protects switch gear against oxidation, it may also be applied as a coating on electrical contacts and other electronic circuits. Waterproofs components in damp or humid conditions.
- **Transport:** Lubricates rubber door strips, door runners and curtain side tracks. Prevents freezing of locks. Preserves rubber seals against cracking and hardening.
- **Aviation:** Seals exposed components against moisture ingress. Helps to prevent ice build-up.
- **Mechanical, Engineering & Production:** Lubricates slow running gears, metal to metal surfaces and other moving parts. Assists assembly of tight fitting components (installation of cables through conduits). Prevents seizing on connections & fittings. Aids release of epoxy resin and other types of plastic mouldings.

ADVANTAGES & BENEFITS

Performance standard meets: DEF STAN 68-69/1, Grease XG-250, NATO Code S-736

- Heat resistant (up to 204°C) & Highly versatile.
- Insulates, lubricates, seals, preserves and Waterproofs.

DIRECTIONS

- Shake the can well before each use.
- Hold in an upright position and apply a light even coating from approximately 10 - 15 cm.

PROPERTIES OF SILICON HT-100 GREASE

Colour & Appearance	Homogeneous, smooth, white, translucent paste
Base Oil Type	Synthetic Silicon base oil
Odour	Hydrocarbon solvent
SG @ 25°C	0.81
Pressure @ 25°C	3.4 Bar
Dropping point	+300
Worked penetrability After 60 strokes	300
Resistivity @ 23°C	min. 1.0 10
Permittivity @ 1 MHz and 23°C	max. 3.1
Dissipation factor @ 1 MHz and 23°C	max. 0.025
Oil separation, 30 h at 200°C	max. 8.0
Evaporation loss, 22 h @ 200°C	max. 2.0
Discharge rate	0.8 g/sec
Temperature range	-54°C to + 204°C
Solubility	Soluble in most solvents, insoluble in water

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