

NS-7502-GA

Low Arc Debris Electrical Contact Lubricant

NS-7502-GA is a non-hydrocarbon electrical contact lubricant designed to prevent contact wear and corrosion for contacts with higher than normal loading. This product has outstanding performance in applications requiring low arc-switching debris, durability, and lubricating qualities over a wide temperature range of -40°F to +285°F. Inhibited for Cu and Ag corrosion, and exhibits good mechanical stability.

This product is also an excellent friction reducing and anti-stick lubricant for EPDM, Nitrile (Buna N) and silicone elastomers.

May be used on switches, potentiometers, lightly loaded gear-trains, etc.

Characteristics:

- For use in high contact force sliding switches
- Wide Operating temperature range -40°F to +285°F
- Cu and Ag corrosion protection
- Low residue in arc-switching
- Light tarnish and corrosion reduction capabilities
- Lubricant for EPDM, Nitrile (Buna N) and silicone elastomers

Typical Properties

Color	Light Tan
Thickener	Li Soap
NLGI grade	2
Penetration, ASTM D217, worked, 60 DS	279
Oil Separation, ASTM D6184-98, 24 hrs. @ 100°C, %	2.5
Dropping point, ASTM D2265, °F(°C)	392(200)
Corrosiveness of Grease, FTM 5309.5, 24 hrs. @100°C	1a
Evaporation Loss, ASTM D972, 22 hrs.@ 210°F, %	.9
Low Temp. Torque, ASTM D1478, start @ -40°C,g-cm(N-m)	4572(.448)
Low Temp. Torque, ASTM D1478, 10 min @ -40°C,g-cm(N-m)	1858(.182)
Low Temp. Torque, ASTM D1478, 1 hr. @ -40°C,g-cm(N-m)	1268(.124)

Typical Base Fluid Properties

Base fluid	Synthetic
Viscosity, ASTM D445 @ 40°C, cSt	225
Viscosity, ASTM D445 @ 100°C, cSt	37
Flash point, ASTM D92, °C (°F)	227(440)

Material Compatibilities:

Not for use with ABS, polycarbonate, polyester, PPO, or PVC plastics. Not for use on buna S, butyl, or neoprene elastomers. Check with material manufacturer or Syn-Tech concerning compatibility.

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Lubricants that Solve Problems

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