

NS-1102-G

Electrical Contact Lubricant

A synthetic electrical contact grease designed for lubrication of both mechanical and electrical interfaces. Lower mechanical friction and improved anti-wear at higher temperatures is exhibited. This product is suitable for low current (<25 milliamp) as well as high current applications requiring low arc-switching debris and contact wear prevention. Provides Cu, Cu alloy, Ni, Au and Ag corrosion protection. Usable over a temperature range of -40°C(-40°F) to 171°C(340°F). This product exhibits excellent mechanical stability and controlled fluid migration with low evaporation at high temperatures. May be used in switches, small gearboxes, slides and other similar devices.

Characteristics:

- Wide temperature range -40°C(-40°F) to 171°C(340°F)
- Excellent non-ferrous corrosion protection in both humid & dry environments
- For use on both low milliamp and arc-switching sliding contacts
- Excellent mechanical stability with low migration
- Extremely low evaporation rate

Typical Properties

NLGI grade	1.5
Thickener	Li soap
Penetration, ASTM D1403, worked, 60 Ds	300
Dropping point, ASTM D2265, °F(°C) min.	350 (177)
Oil Separation, ASTM D6184-98, 24 hrs. @ 212°F, %	4
Copper corrosion, ASTM D130, 24 hrs. @ 210°F	1b

Typical Base Fluid Properties

Base fluid	Ester
Viscosity, ASTM D445 @ 40°C, cSt	69
Flash point, ASTM D92, °C	276

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