

NS-5111-G

Electrical Contact Lubricant

A synthetic based grease designed primarily for electrical contact interface lubrication. Suitable for low current (non-arcing) and arcing sliding contact switches. May also be used on lightly loaded mechanical applications. Exhibits outstanding oxidation resistance, enhancing the products ability to provide exceptional corrosion protection on Cu, Cu alloy, Ag, Au and Ni metals in areas of high humidity.

Characteristics:

- Good mechanical lubricity and stability
- Temperature range -50°F (-46°C) to +275°F (+135°C)
- Outstanding oxidation resistance
- Outstanding Cu,Cu alloy, Ni, Ag, and Au corrosion protection
- Compatible with ABS(ABS) & polycarbonates(PC) plastics

Typical Properties

Color	Tan
Thickener	Li Soap
NLGI grade	1
Dropping point, ASTM D2265, °F(°C)	399 (204)
Oil Separation, ASTM D6184-98, 24 hrs. @ 212°F, %	10
Copper corrosion, ASTM D130, 24 hrs. @ 210°F	1b

Typical Base Fluid Properties

Base fluid	Synthetic
Viscosity, ASTM D445 @ 100°C, cSt	5.8
Viscosity, ASTM D445 @ 40°C, cSt	30
Viscosity, ASTM D445 @ -40°C, cSt	8,000
Viscosity Index Extended, ASTM D2270	139
Pour point, ASTM D97, °C	-65
Flash point, ASTM D92, °C	245

Material Compatibilities:

Compatible with most engineering plastics including ABS and polycarbonate. Not for use with Buna S, Butyl, EPDM, EPR, or natural rubber elastomers. Check with material manufacturer or Syn-Tech concerning compatibility.

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