

# NS-2196-G

## Electrical Contact Grease

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NS-2196-G is a synthetic hydrocarbon grease designed for use on high contact force electrical contacts. It can also be used as a slide and bearing lubricant for metals and plastics. The incorporation of a non-melting thickener offers has a wide operating temperature range of -40°F (-40°C) to +300°F(+149°C). This product is fortified with additives to protect Cu and Cu alloys against corrosion and enhance oxidation stability. Potential applications might include switches, potentiometers, cables, light to medium load gear boxes and bearings. This product does not contain solids or silicone.

### Characteristics:

- Operating temperature range: -40°F (-40°C) to +300°F(+149°C)
- Low evaporation rate
- Cu and Cu alloy corrosion protection
- Low residue in arc-switching
- Soft for ease of application
- Compatible with most plastics

### Typical Properties

Penetration, ASTM D1403, worked, 60 Ds	345
Dropping point, ASTM D2265, °F, min.	500
Oil Separation, FTM 321.3, 24 hrs. @ 212°F, %	3
Specific gravity, 60/60°F	0.87
Thickener	Inorganic

### Typical Base Fluid Properties

Base fluid	Synthetic
Viscosity, ASTM D445 @ 40°C, cSt	1200
Viscosity, ASTM D445 @ 100°C, cSt	100
Flash point, ASTM D92, °C	550

### 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.

2/07 Rev.3

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