

NS-1802-G

Low Migration Friction Reducing Mechanical Grease

NS-1802-G was designed to provide smooth feel to plastic on plastic and plastic on metal sliding interfaces while providing corrosion protection for nonferrous metals. The use of a high performance viscosity modifier combined with a low viscosity base fluid allows for excellent low temperature use with good high temperature damping ability. This product exhibits excellent mechanical stability and extremely low fluid migration, with low evaporation at high temperatures. Lower mechanical friction and anti-wear at higher temperatures are also exhibited. May be used in mechanical sections of in-cabin switches, low load gearboxes, wiper motors, cables and other similar devices.

This datasheet also covers NS-1802-GD, the deaerated version of NS-1802-G with identical physical data.

Characteristics:

- Temperature range of -40°F (-40°C) to +300°F (149°C)
- High mechanical stability
- Extremely low migration
- Exhibits smooth feel, friction reduction and damping properties
- Nonferrous metals corrosion protection

Typical Properties

Thickener	Li soap
Color	Cream
NLGI grade	0
Penetration, ASTM D1403, worked, 60 Ds	355
Oil Separation, ASTM D6184-98, 24 hrs. @ 212°F, %	0
Dropping point, ASTM D2265, °C	220
Copper corrosion, 24 hrs. @ 150°C	1b
Bomb Oxidation, ASTM D942, 100 hrs, 99°C, psi	1
Evaporation Loss, ASTM D972, 22 hrs. @ 100°C, %, Max	0.5
4-Ball Wear, ASTM D2266, 40Kg, 1200 rpm, 75°C, mm.	0.70
Density, 20°C, g/cc	.85
Specific Gravity, 77°F	.885

Typical Base Fluid Properties

Viscosity, ASTM D445 @ 40°C, cSt	31
Viscosity Index Extended, ASTM D2270	137
Pour point, ASTM D97, °C(°F)	-57 (-70)
Flash point, ASTM D92, °C (°F)	238(460)
Base fluid	Synthetic

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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