

NS-1302-G

Friction Reducing Grease

NS-1302-G was designed to provide smooth feel to plastic-plastic and plastic-metal sliding interfaces. 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 improved anti-wear at higher temperatures are also exhibited. May be used in mechanical sections of switches, small gearboxes, wiper motors, cables and other similar devices.

Characteristics:

Temperature range of -40°F(-40°C) to +300°F(149°C)
High mechanical stability
Exhibits 'smooth feel' and damping properties
Extremely low migration

Typical Properties

Color	Cream
Thickener	Li Soap
NLGI grade	1
Penetration, ASTM D1403, worked, 60 Ds	313
Oil Separation, FTM 321.3, 24 hrs. @ 212°F, %	0
Evaporation Loss, ASTM D972, 22 hrs., 100°C, %	0.00
Dropping point, ASTM D2265, °C(°F)	220(428)
Bomb Oxidation, ASTM D942, 100 hrs, 99°C, psi	1
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

Base fluid	PAO
Viscosity, ASTM D445 @ 40°C, cSt	40
Viscosity, ASTM D445 @ 100°C, cSt	7.1
Viscosity Index Extended, ASTM D2270	142
Pour point, ASTM D97, °C(°F)	-57(-70)
Flash point, ASTM D92, °C (°F)	470

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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