

NS-6111-G

Low Migration Antiwear Grease

NS-6111-G, an NLGI 1 fully synthetic grease, was designed to lubricate and protect metal on metal interfaces against wear. It will also provide reduced friction and smooth feel to plastic on plastic and plastic on metal sliding interfaces while providing corrosion protection for both ferrous and nonferrous metals. The use of a high performance low viscosity synthetic 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 or bleed, with low evaporation at high temperatures. May be used in gearboxes, bearings, cables, mechanical sections of switches and other similar devices. This product does not contain silicone.

Characteristics:

- Designed to lubricate both plastics and metals
- Exhibits smooth feel and damping properties
- Temperature range of -55°F (-48°C) to 285°F (140°C)
- High mechanical stability
- Extremely low migration and bleed
- EP and antiwear enhanced
- Nonferrous metals corrosion protection
- Protects ferrous metals against rust

Typical Properties

Color	Cream
Thickener	Li soap
NLGI grade	1
Penetration, ASTM D217, worked, 60 DS	315
Oil Separation, ASTM D6184-98, 24 hrs. @ 212°F, %	0
Dropping point, ASTM D2265, °C	220
Copper corrosion, 24 hrs. @ 100°C	1b
Density, 20°C, g/cc	0.85
4-Ball Wear, ASTM D2266, 40Kg, 1200 rpm, 75°C, mm.	0.48
Low Temp. Torque, ASTM D1478, start @ -40°C,g-cm	885
Low Temp. Torque, ASTM D1478, 1 hr. @ -40°C,g-cm	177

Typical Base Fluid Properties

Base fluid	Synthetic
Viscosity, ASTM D445 @ 40°C, cSt	24.4
Viscosity Index Extended, ASTM D2270	150
Pour point, ASTM D97, °C(°F)	-60 (-76)

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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