

NS-6404-G

Friction Reducing Mechanical Grease

NS-6404-G was designed to provide smooth feel to plastic-plastic and plastic-metal sliding interfaces while providing corrosion protection for nonferrous metals. The use of a high performance polymer combined with a low viscosity base fluid allows for excellent low temperature mobility 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
Extremely low migration
Exhibits 'smooth feel' and damping properties
Nonferrous metals corrosion protection
Tacky for good resistance to displacement

Typical Properties

NLGI grade	2
Penetration, ASTM D1403, worked, 60 Ds	287
Oil Separation, FTM 321.3, 24 hrs. @ 100°C, %	0
Dropping point, ASTM D2265, °C	220
Copper corrosion, 24 hrs. @ 150°C	1b
Bomb Oxidation, ASTM D942, 100 hrs, 99°C, psi	1
Density, 20°C, g/cc	.85
Thickener	Li soap
Color	Cream

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	PAO

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.

1/06 Rev. 1

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1550F W. Fullerton Ave.
Addison, IL 60101 USA
(630) 628-7290
www.syn-techlube.com

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