

NS-1813-G

Synthetic Food Grade Grease



NS-1813-G is an NSF H-1 synthetic hydrocarbon grease for gears, bearings and slides. Its high temperature non-melting thickener, PAO base fluid and corrosion protection for ferrous and non-ferrous metals insures long life lubrication. Operating temperature range of -35°F to 300°F (shorter term usage at up to 375°F). Fortified for extreme pressure and antiwear additives for highly loaded applications.

Characteristics:

- Clear grease
- Antiwear fortified with mild EP protection
- Non-melting thickener with low oil migration
- Water washout resistant
- Rust and corrosion protection
- High film strength
- Operating temperature range of -35°F to 375°F (-37.5°C to 191°C)

Typical Properties

Color	Translucent
NLGI grade	2
Rust Test	Pass
Thickener	Silica
Penetration, ASTM D217, worked, 60 DS	270
Oil Separation, ASTM D6184-98, 24 hrs. @ 212°F, %	.1
Oil Separation, ASTM D6184-98, 30 hrs. @ 212°F, %	1.22
Dropping point, ASTM D2265, °C(°F)	>260 (500)
Specific gravity, ASTM D1298, 60/60°F	.85
Copper corrosion, ASTM D4048, 24 hrs. @ 100°C	1a
Evaporation Loss, ASTM D972, 22 hrs. @ 210°F, %	1.27
Timken® OK Load, ASTM D2509, Lbs.	24
4-Ball EP, Load Wear Index, ASTM D2596, kgf	30
4-Ball EP, Weld point, ASTM D2596, kg	160
Water Washout, ASTM D1264, 105°F, %	.49

Typical Base Fluid Properties

Base fluid	PAO
Flash point, ASTM D92, °C (°F)	215 (420)
Fire point, ASTM D92, °C (°F)	250 (480)
Viscosity, ASTM D445 @ 40°C, cSt	290
Viscosity, ASTM D445 @ 100°C, cSt	26

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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1550F W. Fullerton Ave.
Addison, IL 60101 USA

(630) 628-7290
www.syn-techlube.com

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