

# NS-4818-G

## High Temperature Bearing Grease

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NS-4818-G is a ball and roller bearing grease formulated for continuous operation at temperatures above 150°C. Formulated with a per-fluorinated polyether (PFPE) base oil and a lithium complex soap thickener to provide extreme pressure and antiwear protection as well as corrosion resistance under extreme operating conditions.

### Characteristics:

- Provides more lubricating oil compared to PTFE thickened greases
- Wide operating temperature range of -30°C to 250°C (-22°F to 482°F)
- Excellent thermal and oxidative stability
- Miscible with PTFE/PFPE lubricants
- Protects against bearing wear and corrosion
- Provides extreme pressure protection
- Plastics friendly

### Typical Properties

Color	Tan
Thickener	Li Complex
NLGI grade	2
Penetration, ASTM D1403, worked, 60 Ds	295
Density, 20°C, g/cc	1.7
Oil Separation, ASTM D6184-98, 24 hrs. @ 100°C, %	3
Dropping point, ASTM D2265, °C(°F)	>260 (500)
Copper corrosion, 24 hrs. @ 100°C	1a

### Typical Base Fluid Properties

Base fluid	PFPE
Viscosity, ASTM D445 @ 40°C, cSt	258
Viscosity, ASTM D445 @ 100°C, cSt	25
Flash point, ASTM D92, °C (°F)	>300 (572)

### Material Compatibilities:

Compatible with most engineering plastics and elastomers. Not compatible with hydrocarbon based lubricants. Check with manufacturer or Syn-Tech concerning compatibility.

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