

# NS-1512-G

## Synthetic Food Grade Grease - ISO 220

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NS-1512-G is a synthetic hydrocarbon based general purpose anti-wear food grade grease. This product provides excellent antiwear resistance with an operating temperature range of -40°C to 149°C (-40°F to 300°F). Formulated with a water washout resistant aluminum complex thickener and additives for corrosion prevention for metals.

### Characteristics:

- NSF H1 approved for incidental food contact
- Synthetic formula for high oxidation resistance
- High shear stability
- Fortified for EP and antiwear protection
- Aluminum complex thickener system
- High water washout resistance
- Excellent mechanical stability
- Protects against rust
- Wide operating temperature range of -40°C to 149°C (-40°F to 300°F)

### Typical Properties

Color	White
Appearance	Smooth
Thickener	Al Complex
NLGI grade	2-3
Penetration, ASTM D217, worked, 60 DS	245
Dropping point, ASTM D2265, °C	260
Specific gravity, ASTM D1298, 60/60°F	.97
Water Washout, ASTM D1264, 150°F, %	2
Copper corrosion, 24 hrs. @ 100°C	1b
4-Ball EP, Load Wear Index, ASTM D2596, kgf	70
4-Ball EP, Weld point, ASTM D2596, kg	500

### Typical Base Fluid Properties

Base fluid	PAO
Viscosity, ASTM D445 @ 40°C, cSt	220
Viscosity, ASTM D445 @ 100°C, cSt	25.8
Viscosity Index Extended, ASTM D2270	147

### 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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