

# NS-3110-680FG

## Food Grade Synthetic Oil - ISO 680



NS-3110-680FG is a wide temperature range, food grade, synthetic gear and bearing oil. Formulated with high viscosity base oils for excellent shear stability unlike most high viscosity oils that are formulated with viscosity improvers that shear down and loose viscosity over time. Designed for EP/antiwear performance while protecting against rust.

### Characteristics:

- NSF H1 for incidental food contact
- 100% Synthetic
- High thermal stability
- Temperature range of -30°C to 115°C (-22°F to 239°F)
- EP/Antiwear
- Protects against ferrous metal corrosion (rust)
- Very low evaporation rate

### Typical Properties

ISO Viscosity Grade	680
Color	Light Yellow
Copper corrosion, ASTM D130, 24 hrs. @ 210°F	1b
Specific gravity, 60/60°F, ASTM D1298	.845

### Typical Base Fluid Properties

Base fluid	PAO
Viscosity, ASTM D445 @ -18°C, cSt	80900
Viscosity, ASTM D445 @ 40°C, cSt	680
Viscosity, ASTM D445 @ 100°C, cSt	62
Viscosity Index, ASTM D2270	160
Pour point, ASTM D97, °C(°F)	-30(-22)
Flash point, ASTM D92, °C (°F)	250(482)

### 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.

7/10 Rev.0

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

(630) 628-7290  
[www.syn-techlube.com](http://www.syn-techlube.com)

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