

NS-61100-G, a member of Syn-Tech Ltd.'s Fluor-Tech PFPE grease and oil group, was designed to provide long life lubrication over an extremely wide temperature range of -40°C(-40°F) to 163°C(325°F). It is made with the highest quality PFPE base fluids which are chemically inert with most acids, fuels, and oxidizing agents. They do not emulsify with water and are resistant to all solvents except highly fluorinated solvents. Contains rust inhibiting, antiwear and EP additives for metal on metal applications. Extremely stable in the presence of oxygen. This product should not be mixed with hydrocarbon based lubricants. Before first use thoroughly purge all existing lubricants from bearings, gearboxes, switches, etc.

In general this product is quite stable chemically with an indefinite shelf life for unopened containers stored in a cool, dry environment. Over time some separation of the base fluid can occur.

Characteristics:

- EP, antiwear and antirust additives
- Temperature range of -40°C(-40°F) to 163°C(325°F)
- Low evaporation rate
- Chemically inert with most acids, fuels, and oxidizing agents

Typical Properties

Color	White
NLGI grade	2
Density, ASTM D891, 20°C, g/cc	1.59
Dropping point, ASTM D2265, °C	>260
Oil Separation, FTM 321.3, 24 hrs. @ 100°C, %	3

Typical Base Fluid Properties

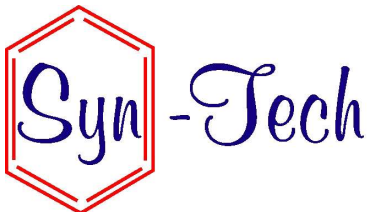
Base fluid	PFPE
ISO Viscosity Grade	100
Viscosity, ASTM D445 @ 40°C, cSt	78
Viscosity, ASTM D445 @ 100°C, cSt	9.7
Pour point, ASTM D97, °C	-35
Evaporation Loss, ASTM D2595, 149°C @ 22 hrs.,%	1.8
Flash point, ASTM D92, °C	>650

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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