

NS-62100-H

Non-Melting PFPE Grease

Fluor-Tech[®]
Full Spectrum Lubricants

NS-62100-H, 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 -65°C(-85°F) to 200°C(392°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:

- Non-melting thickener
- EP, antiwear and antirust additives
- Low evaporation rate
- Nonflammable
- Resistant to chemical attack
- Low temperature operation to -65°C
- High temperature to 260°C
- High temperature to 130°C for extended time (evaporation dependent)

Typical Properties

Color	Translucent
NLGI grade	2
Density, ASTM D891, 20°C, g/cc	1.85
Dropping point, ASTM D2265, °C	>260
Evaporation Loss, ASTM D2595, 204°C @ 22 hrs.,%	3

Typical Base Fluid Properties

Base fluid	PFPE
Viscosity, ASTM D445 @ 100°C, cSt	22
Viscosity, ASTM D445 @ 40°C, cSt	85
Viscosity, ASTM D445 @ -40°C, cSt	3000
Pour point, ASTM D97, °C	-75
Viscosity Index	286
Evaporation Loss, ASTM D2595, 149°C @ 22 hrs.,%	.8
Evaporation Loss, ASTM D2595, 204°C @ 22 hrs.,%	3.0

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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