



High Performance PFPE Lubricants



Fluor-Tech[®] Full Spectrum Lubricants

The Fluor-Tech[®] line of high performance PFPE (perfluoroalkylpolyether) greases and fluids designed for specific needs and budgets. All products in each series contain innovative liquid EP, antiwear and antirust additives. They offer low volatility on metal and plastic applications throughout a wide operating temperature range.

All products can be blended with a CFC-free, non-toxic, non-flammable solvent carrier to aid application. An ultraviolet tracer can be added for thin film applications. Most Fluor-Tech products can be custom modified to a different NLGI grade for grease or for custom viscosity for fluids.

The Advantages of Fluor-Tech

- Operating temperature ranges from -110°F to 800°F
- Chemically inert
- Nonflammable
- Insoluble in water
- Extremely low evaporation rates
- Extends lubrication intervals reducing down time
- Innovative additives that can replace sodium nitrite
- Neutral to most plastics and elastomers
- NSF H1 and H2 rating for food processing
- Custom formulations available

Typical Applications

- Control valves exposed to oxidizers, caustics, and corrosive chemicals
- Water immersed bearings and valves
- Difficult or impossible to re-lube situations
- Oxygen handling equipment
- Clean room bearings
- Oven cart bearings

61000 Series

Low cost, multipurpose PFPE greases and fluids

	NS-61015	NS-61022	NS-61100	NS-61150	NS-61320	NS-61460	NS-61500
Fluid Properties							
ISO grade	15	22	100	150	320	460	—
Viscosity @ 40°C	14.7	20.9	78	150	339	427	513
Viscosity @ 100°C	3.2	4	9.7	15.9	32	41	48
Viscosity Index	68	77	102	110	133	146	151
Pour Point (°C)	-58	-50	-35	-30	-25	-25	-20
Evap. Loss (%) 149°C for 22 hrs	—	21	1.9	0.8	0.4	>.1	>.1
Grease Properties							
NLGI grade	2	2	2	2	2	2	2
Dropping point (°C)	>260	>260	>260	>260	>260	>260	>26

Product suffixes:

F: Fluid • **G:** Grease • **H:** Translucent higher temperature capability grease • **P:** Excellent Plastics compatibility
A: Molybdenum disulfide and graphite for smooth feel on metals • **UV:** Ultraviolet tracer added

62000 Series

High grade PFPE greases and fluids

	NS-62015	NS-62032	NS-62100	NS-62150	NS-62320
Fluid Properties					
ISO grade	15	32	100	150	320
Viscosity @ 40°C	16.9	31.8	85	159	312
Viscosity @ 100°C	5.1	9.1	22.1	56	87
Viscosity Index	267	289	288	332	344
Pour Point (°C)	-85	-70	-75	-65	-60
Evap. Loss (%) 149°C for 22 hrs	6.5	1	0.8	>.1	>.1
Evap. Loss (%) 204°C for 22 hrs	—	>10	3	0.7	0.4
Grease Properties					
NLGI grade	2	2	2	2	2
Dropping point (°C)	>260	>260	>260	>260	>260

Product suffixes: **F:** Fluid • **G:** Grease • **H:** Translucent higher temperature capability grease • **P:** Excellent Plastics compatibility • **A:** Graphite for smooth feel on metals • **M:** Moly for extra high loads • **UV:** Ultraviolet tracer added

63000 Series

Superior quality PFPE greases and fluids

	NS-63015	NS-63100	NS-63150	NS-63320
Fluid Properties				
ISO grade	15	100	150	320
Viscosity @ 40°C	17.9	90	155	355
Viscosity @ 100°C	5.7	28.3	50	98
Viscosity Index	303	342	359	346
Pour Point (°C)	-90	-80	-75	-62
Evap. Loss (%) 149°C for 22 hrs	6.5	0.8	>.1	>.1
Evap. Loss (%) 204°C for 22 hrs	—	1.2	0.4	0.2
Grease Properties				
NLGI grade	2	2	2	2
Dropping point (°C)	>260	>260	>260	>

Product suffixes:

- F:** Fluid
- G:** Grease
- H:** Translucent higher temp. capability grease
- P:** Excellent Plastics compatibility
- A:** White graphite for smooth feel on metals
- B:** Sodium nitrite for rust at high temperatures
- C:** White graphite & sodium nitrite
- UV:** Ultraviolet tracer added

64000 Series

Extended high temperature (>550°F) PFPE greases and fluids

Applications might include oven chains and bearings, kiln trolley bearings, molding equipment and more. Contains metal EP, antiwear and rust additives.

	NS-64150	NS-64320
Fluid Properties		
ISO grade	150	320
Viscosity @ 40°C	155	355
Viscosity @ 100°C	50	98
Viscosity Index	359	346
Pour Point (°C)	-75	-62
Evap. Loss (%) 149°C for 22 hrs	>.1	>.1
Evap. Loss (%) 204°C for 22 hrs	.4	.2
Grease Properties		
NLGI grade	2	2
Dropping point (°C)	>260	>260

Product suffixes:

UV: Ultraviolet tracer added

Our Expertise Syn-Tech Ltd.'s product line has evolved products that satisfy applications of many types. Experience and in-house testing facilities have generated the knowledge to create and modify new and existing products to perform under rigorous demands. Contact our offices for assistance in lubricant selection.

Syn-Tech Ltd.

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