

Fluor-Tech®

Full Spectrum Lubricants

The Fluor-Tech® line of PFPE (perfluoroalkylpolyether) high performance greases and fluids, manufactured by Syn-Tech Ltd., offer the following advantages:

- 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 have replaced sodium nitrite

- Neutral to most plastics and elastomers
- USDA H-2 rating for food processing plants
- Custom formulations always available

Formulated from the highest quality PFPE fluids, these lubricants offer better performance than the PFPE based products offered by most companies. These products are ideal for:

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

61000 Series

The 61000 Series is a low cost multipurpose PFPE line of greases and fluids. All products in this series contain innovative liquid EP, antiwear and antirust additives. This series offers low volatility on metal and plastic applications with a wide operating temperature range. Blends with a CFC-free, non-toxic, non-flammable solvent carrier to aid application are available. An ultraviolet tracer is available for thin film applications. Most can be custom modified to a different NLGI grade for grease or for custom viscosity for 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
VI	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	>260

Product suffixes:

- F: Fluid
- G: Grease
- H: Translucent higher temperature capability grease

- A: Molybdenum disulfide and graphite for smooth feel on metals
- UV: Ultraviolet tracer added

62000 Series

The 62000 Series is a high grade PFPE line of greases and fluids. All products in this series contain innovative liquid EP, antiwear and antirust additives. This series offers excellent operation over a wide temperature range, excellent viscosity indexes, and low volatility on metal and plastic applications. Blends with a CFC-free, non-toxic, non-flammable solvent carrier to aid application are available. An ultraviolet tracer is also available for thin film applications. Most can be custom modified to a different NLGI grade for grease or for custom viscosity for 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
VI	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
- A: Graphite for smooth feel on metals
- M: Moly for extra high loads
- UV: Ultraviolet tracer added

63000 Series

The 63000 Series is a superior quality PFPE line of greases and fluids. All products in this series contain innovative liquid EP, antiwear and antirust additives. This series offers excellent volatility on metal and plastic applications with excellent low and high temperature properties. Blends with a CFC-free, non-toxic, non-flammable solvent carrier to aid application are available. An ultraviolet tracer is available for thin film applications. Most can be custom modified to a different NLGI grade for grease or for custom viscosity for fluids.

	Typical Data			
	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
VI	303	342	359	346
Pour Point (°C)	-90	-80	-75	-62
Evaporation Loss (%) 149°C for 22 hrs	6.5	0.8	>.1	>.1
Evaporation 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 temperature capability grease
- 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

The 64000 Series greases were formulated for extended high temperature (>550°F) operation. Applications might include oven chains and bearings, kiln trolley bearings, molding equipment and more. Contains metal EP, antiwear and rust additives.

	Typical Data	
	NS-64150	NS-64320
Fluid Properties		
ISO grade	150	320
Viscosity 40°C	155	355
Viscosity 100°C	50	98
VI	359	346
Pour Point (°C)	-75	-62
Evaporation Loss (%) 149°C for 22 hrs	>.1	>.1
Evaporation 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

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Our Expertise

Syn-Tech has evolved products that satisfy a diverse selection of applications. 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 sales office for assistance in selecting a lubricant for your application.



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