



ThermaSyn FG Grease

- *Excellent Oxidative & Thermal Stability*
- *Outstanding Resistance to Solvent and Most Aggressive Chemicals*
- *Long Service Life*
- *Versatile Applications*
- *High Performance Food Grade EP Bearing Grease*

TRUST OMEGA TO Save Money Enhance Performance Extend Service Life



Nonfood Compounds Program Listed
Category Code : H1
Registration Number : 137939



TW
PERFORMANCE
POLYMERS & FLUIDS®

SPECIAL FEATURES

OMEGA 26 ThermaSyn FG Grease is the advanced EP bearing grease formulated for applications particularly in the food and beverage industry:

- **OMEGA 26** offers long service life and hence reduces maintenance costs.
- **OMEGA 26** offers excellent lubrication to equipment and machines under extreme temperatures.
- **OMEGA 26** is specially designed to withstand high load and severe shock load – safeguarding bearing parts.
- **OMEGA 26** meets and exceeds NSF's H1 requirements for lubricants with incidental food contact for use in and around food processing area.

OUTSTANDING PROPERTIES

OMEGA 26 ThermaSyn FG Grease is formulated with the most advanced synthetic base fluid/thickener that:

- Ensures low temperature fluidity and high thermal stability for excellent performance from -25 °C to 280 °C.
- Features excellent EP protection under high or shock loading conditions.
- Provides excellent thermal and oxidative stability and outstanding resistance to chemicals and water.
- Offers excellent anti-wear protection to the equipment and machines.

USE FOR

OMEGA 26 ThermaSyn FG Grease is the innovative high-temperature EP bearing grease that satisfies critical and specialty applications especially in the food and beverage industry.

Lubrication professionals use **OMEGA 26** for versatile applications including:

- Lubrication of equipment and machineries in food processing & packing, canning and bottling factories.
- Lubrication of bearings and roller bearings of track & chain conveyors going through food baking ovens.
- Lubrication of O-rings, plastics & ceramics, couplings, instruments, valves & railway switch machine bearings.
- Lubrication of pressure release and plug valves and pumping equipment handling highly corrosive or reactive liquids.
- And many other maintenance applications below 280 °C.



Omega

The Ultimate Lubricant

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The information contained in this publication is to the best of our knowledge and accurate at the time of issue in October, 2016

DESCRIPTION:

OMEGA 26 ThermaSyn FG grease is a white and smooth food grade EP grease formulated with Perfluorinated Polyether (PFPE) base fluid and Polytetrafluoroethylene (PTFE) thickener to be used in extreme-temperature conditions and for applications which require exceptional chemical and solvent resistance while incidental contact with food items is necessary.

SPECIAL FEATURES AND KEY BENEFITS:

OMEGA 26 ThermaSyn FG Grease offers a broad range of operating temperature. Due to its excellent oxidative & thermal stability and high viscosity index, **OMEGA 26** performs equally well from -25°C to 280°C. It is designed for lubricating equipment and machineries that are operating continuously under high temperature and high load conditions. It provides excellent protection against wear and outstanding resistance to water and most aggressive chemicals while maintaining its EP performance under high temperature and high-load operating conditions.



The white and smooth Omega 26 ThermaSyn FG Grease

OMEGA 26 ThermaSyn FG Grease offers the lubrication professionals a durable lubricant that may last forever. As a type of PFPE grease, it will not decompose into carbon residues and soot and its thickener will provide additional lubricity. As a result, it will not potentially damage the equipment or machineries to which it applies even if its base fluid does break down. In addition, volatility and vaporization pressure of PFPE is low.

OMEGA 26 ThermaSyn FG Grease is non-toxic and does not contain mineral hydrocarbon, animal derived materials, nut oils or genetically modified ingredients. It meets and exceeds the NSF requirement for use in food plants applications involving incidental food contact. With its excellent compatibility with plastics and most elastomers, outstanding chemical and physical properties – good resistance to wear, water and chemicals, EP performance, etc,

OMEGA 26 is suitable for use in a wide range of industries to lubricate chains & conveyor systems, O-rings, valves, bearings, slides, and small gears operating in extreme environments.



Omega 26 is available in 500gm compact container

APPLICATIONS:

OMEGA 26's advanced PFPE base fluid and PTFE thickener make it a super grease suitable for use in a wide range of industries.

Suggested applications include (but are not limited to):

For Food & Beverage and Pharmaceutical Industries

- Lubrication of equipment & machineries in food processing & packing, canning & bottling factories.
- Lubrication of bearings and roller bearings of track & chain conveyors going through food baking ovens.

For other industries

- Lubrication of O-rings, plastics & ceramics, couplings, instruments, valves, circuit breakers & railway switch machine bearings.
- Lubrication of plug valves, pressure release valves and pumping equipment handling highly corrosive or reactive liquids.
- And many other maintenance applications up to 280 °C.

DIRECTION FOR USE:

- **OMEGA 26 ThermaSyn FG Grease NLGI#2** should be applied manually or with a suitable applicator e.g. Grease gun.
- Thoroughly clean the applied area of the equipment and machineries prior to application.
- Do not mix **OMEGA 26 ThermaSyn FG Grease** with any other lubricant.

TYPICAL DATA:

TEST	ASTM TEST METHOD	TEST RESULT
		NLGI #2
Base Fluid:		
Viscosity, cSt @ 20°C	D-445	1525
Viscosity, cSt @ 40°C	D-445	420
Viscosity, cSt @ 100°C	D-445	40
Worked Penetration @ 25°C	D-217	265 - 295
Dropping Point, °C	D-2265	280+
4-Ball EP Performance		
Weld Load, Kg	D-2596	500
Load-wear index. Kg		106
Operating Temperature Range, °C		-25 to 280
Color		White

The characteristics given above are typical of current production only and slight batch to batch variations should be expected.