



The Ultimate Lubricant

26



Nonfood Compounds
Category Code : H1
Registration Number : 137939

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.