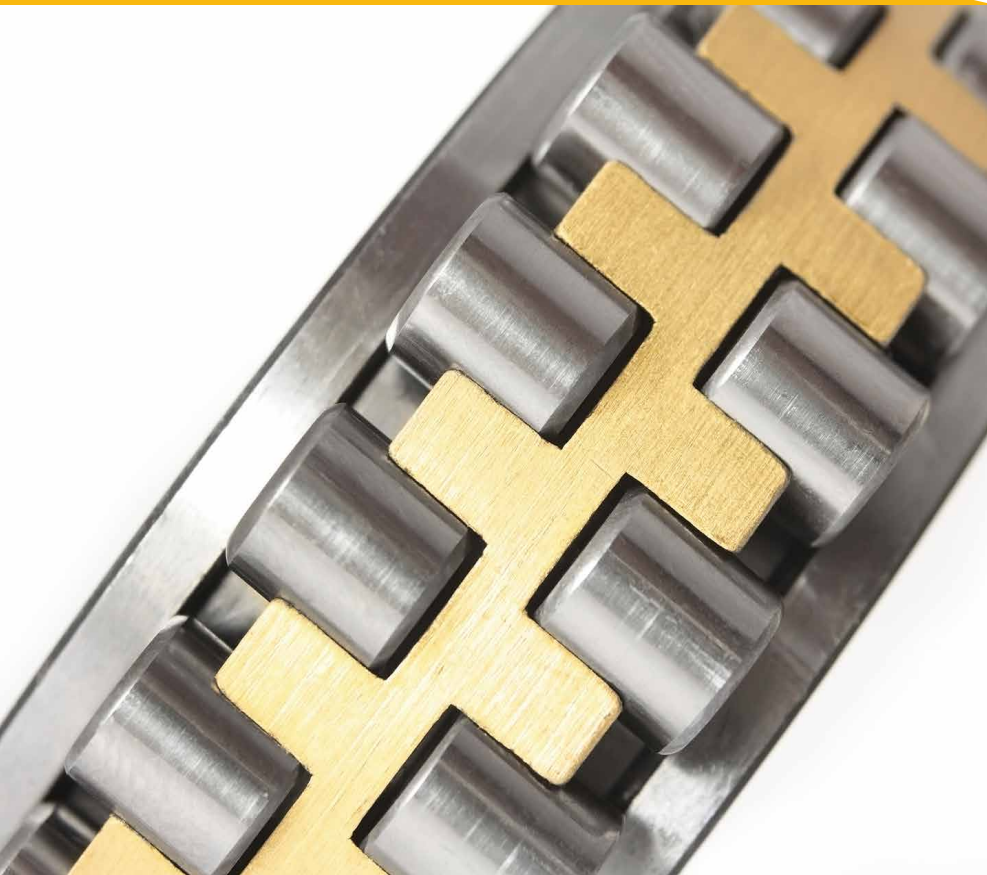




Universal Non-Melt Grease

- *Positively will not run or drip at any temperature !*
- *Stays on longer – eliminates need for frequent lubrication.*
- *Contains Omega's unique "Megalite" supplements to protect metal surfaces.*

TRUST OMEGA TO Save Money Enhance Performance Extend Service Life



TW
PERFORMANCE
POLYMERS & FLUIDS®

SPECIAL FEATURES

Omega 71 Universal Non-Melt Grease is the

high-temperature lubricant that keeps on working long after ordinary greases have melted away.

- **Omega 71** is the severe-temperature grease that positively will not melt, run or drip at any temperature!
- **Omega 71** stays in place longer to eliminate the need for frequent lubrication – saves you time and money.
- **Omega 71** contains Omega's unique "Megalite" supplements to ensure long-lasting reliable lubrication of metal surfaces.

OUTSTANDING PROPERTIES

Omega 71 is the universal non-melt grease that:

- Forms its own seal to keep out damaging water and contaminants.
- Provides extreme versatility – works exceedingly well on practically all types of standard equipment.
- Is quality formulated to suppress the natural tendency of grease to migrate during normal use.
- Is color-coded to prevent costly misapplication.

USE FOR

Omega 71 is absolutely the right choice for high-temperature applications. But **Omega 71** is much more than just a temperature-resistant lubricant, it provides exceptional lubricity that retards wear and prolongs the service life of vital equipment.

Use **Omega 71** in:

- Kiln Car Bearings • Autoclaves • Water Pumps • Babbitt Bearings • And countless applications requiring long-lasting and reliable lubrication.



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 71 is a stable drop point grease with a resistance to temperatures of up to 260°C (500°F)! Ordinary greases have unstable drop points because they conform to the "soap" type greases, which deteriorate rapidly under high heat conditions. Omega 71 however, contains solid and highly-micronized supplements that are impossible to melt-providing a "carrier" for the mineral oil. As carrier, they ensure that Omega 71 remains stable up to -and including -the drop point of beyond 260°C (500°F). Ordinary greases cannot cope with temperature changes and begin to melt at a temperature well below 260°C (500°F).

LUBRICITY:

Omega 71 is much more than just a temperature-resistant lubricant. It also provides exceptional lubricity that retards wear and prolongs equipment life.

SUPPLEMENT PROTECTION:

Omega 71 contains a solid supplement. This consists of montmorillonite particles which form a bearing between metal surfaces that will not break down -even under extreme temperatures! Ordinary greases cannot provide this "barrier" and subsequently, the grease rapidly disintegrates.

TYPICAL DATA:

TEST	ASTM TEST METHOD	TEST RESULT
Mineral Oil Base: -		
Viscosity @210 °F(98.8°C), SUS	D-88	80
Flash Point, COC, °C	D-92	249
Pour Point, °C	D-97	-23
Dropping Point, °C	D-566	260+
Worked Penetration @ 77°F, 150-gm cone	D-217	265-295
Timken OK Load, lbs. min.	D-2509	40
Bearing Stability	D-1741	Excellent
Copper Corrosion Test	D-1402	Excellent
Humidity Corrosion @ 18°C, %	D-5319	0.01
Evaporation Loss	D-972	Minimal
Oil Separation, @ 100°C, 30hrs, %	D-1742	3.1
NLGI Grade	-	#2
Operating Temperature Range, °C	-	-20 to 204
Color	-	Golden Bronze

THERMO HYDRODYNAMIC LUBRICATION:

Omega 71 provides maximum protection for a wide variety of equipment. This is made possible by the development of a hydrodynamic concept in Omega 71, whereby a "wedge" is formed between areas subjected to constant wear. This wedge resists not only the evaporative tendency of the heat cycle but also the immense friction barrier caused by heat and pressure formations. The ability of Omega 71 to suppress this natural force of lubricant migration is an outstanding feature unique to the Omega family.

Ordinary grease being utilized for high temperature applications rapidly break down and leave the wear areas unprotected. This promotes metal-to-metal contact which, in turn, causes wear -and shortly thereafter, complete and total parts seizure. Additionally, ordinary greases are inconsistent and need constant replenishment. Their unreliable tendency to become fluid and fling off has hazardous effects on the equipment and its maintenance.