

# Mobilgrease XTC

## Grease

### Product Description

Mobilgrease XTC is an extra high performance product designed for use in high speed coupling applications. It is manufactured with a selected high viscosity mineral base oil and an extremely effective, heavy-duty additive package. Mobilgrease XTC is formulated to provide low bleed as well as high temperature stability, properties critical to modern coupling lubrication and protection. While the base oil provides excellent elastohydrodynamic lubrication (EHL) film protection properties, the additive package enhances the extreme pressure (EP) / anti-wear protection, rust and corrosion performance and the high temperature stability of this leading edge product. Mobilgrease XTC also incorporates proprietary formulation stability to outperform best-in-class low bleed coupling greases with respect to high temperature stability in high shear conditions. Mobilgrease XTC is an NLGI No. 1 lithium soap-base product.

ExxonMobil research scientists formulated Mobilgrease XTC to meet or exceed the requirements of modern high-speed gear and grid design couplings including the AGMA CG-2 and CG-1 specifications. This grease has shown excellent performance and protection in a wide variety of coupling applications covering a broad range of industries.

Based on its outstanding performance, this grease has become the product of choice for many coupling users. Mobilgrease XTC fully meets the performance requirements of major coupling manufacturers.

### Features and Benefits:

The Mobilgrease brand of products is well known and highly regarded world-wide based on their outstanding performance and the RandD expertise and the global technical support that stand behind the brand. The outstanding qualities of one of these lubricants in this family, Mobilgrease XTC, have made it the choice of many users, especially when performance is a key concern.

Mobilgrease XTC enjoys an excellent reputation in the lubrication of high speed and high temperature gear and grid coupling applications. Close contacts with original equipment manufacturers (OEMs) and end-users ensure that products such as Mobilgrease XTC will be available to meet critical application needs, both now and in the future.

Mobilgrease XTC was specifically designed for high speed and high temperature coupling applications, and offers the following advantages and potential benefits:

Features	Advantages and Potential Benefits
Excellent resistance to oil separation	Less leakage, better reliability and coupling protection
Excellent EHL contribution and wear protection	Less coupling wear, even when misaligned, and lower maintenance costs
Excellent high temperature stability	Long grease life and extended intervals between relubrication
Good resistance to rust and corrosion	Maintains excellent grease performance even in tough aqueous environments



## Applications

Application Considerations: Because Mobilgrease XTC is highly viscous and has adhesive agents to address coupling demands, use of hand-operated grease guns at low ambient temperatures without auxiliary heat is discouraged.

Mobilgrease XTC fully meets existing and AGMA Type CG-2 requirements for high-speed flexible gear and grid couplings. Mobilgrease XTC also meets less demanding AGMA Type CG-1 requirements. Mobilgrease XTC maintains its excellent performance characteristics in ambient temperatures up to 120° C. It is not recommended for temperatures below -30° C. Mobilgrease XTC is used widely in industrial applications requiring the use of:

- Grid-type flexible couplings
- Gear-type flexible couplings

## Specifications and Approvals

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**Mobilgrease XTC meets or exceeds the following industry specifications:**

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Meets AGMA CG-1

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Meets AGMA CG-2

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## Typical Properties

### Mobilgrease XTC

NLGI Grade	1
Thickener Type	Lithium/Polymer
Color, Visual	Dark Brown
Penetration, Worked, 25° C, ASTM D 217	325
Dropping Point, °C, ASTM D 2265	215
Viscosity of Oil, ASTM D 445	
cSt @ 40° C	680
Centrifugal Bleed, ASTM D 4425, K36, 24 hrs, 38° C, vol %	0
Penetration change, ASTM D 217, from 60X to 10,000X, mm/10	+25
Bomb Oxidation, ASTM D 942, Pressure drop at 100 hrs, kPa	35
Four- Ball Wear, ASTM D 2266	0.35
Four- Ball EP Test, ASTM D 2596, Weld Point, Kg Load	315 51
Wear Index, Kgf	
Timken OK Load, ASTM D 2509, lb	60
Corrosion Prevention, ASTM D 1743	Pass
Copper Strip Corrosion, ASTM D 4048	1A



## Health and Safety

Based on available information, this product is not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Material Safety Data Sheet (MSDS) are followed. MSDS's are available upon request through your sales contract office, or via the Internet. This product should not be used for purposes other than its intended use. If disposing of used product, take care to protect the environment.

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