# ULTRA HIGH TEMPERATURE GREASE

Last Updated: 09.01.2025
Product Code: GR0891

ULTRA HIGH TEMPERATURE GREASE is an industrial, extreme temperature, medium consistency grease primarily designed for applications where operating temperatures of up to 6000C are encountered. Formulated with a dispersion of fine particle size graphite incorporated in a synthetic base fluid, which evaporates cleanly at high temperatures without leaving abrasive ash deposits.

## APPLICATION

Primarily designed for use in extreme temperature operations such as kiln-car bearings, furnace door and drying tunnel mechanisms.

At very high temperatures, conventional high temperature greases have severe limitations, as their performance is restricted by their base fluid and thickener systems. These degrade at high temperatures destroying the grease structure and so shortening the useful working life of the grease. Ultra High Temperature Grease is designed so that, at elevated temperatures, its liquid phase evaporates without leaving abrasive carbon deposits.

Must be applied sparingly, preferably by hand, after fitting and before assembling the bearing house. It can also be applied as a service lubricant by high pressure grease gun. Anti-friction bearing housings need to be vented so not to inhibit the evaporation process of the base fluid. (On anti-friction bearings, over lubrication must be avoided as this could lead to an excessive build-up of graphite in the rolling elements of the bearing). Bearings need to be purged of the previous grease before starting to use Ultra High Temperature Grease.

## BENEFITS

- No carbonization at high temperatures, greatly reduces maintenance costs and extends component life.
- Graphite lubricating film reduces wear
- Eliminates bearing seizure caused by deposits.

## TYPICAL PROPERTIES

| | | |
|---|---|---|
| Colour | Black | |
| Base Oil | Polyalkaline glycol | |
| NLGI Classification | 2 | |
| Dropping Point (ASTM D2265) | Nil | |
| Micronised Graphite Content | 15% | |
| Base Fluid Viscosity (IP71) @ 40°C | 128 cSt | |
| Base Fluid Viscosity (IP71)@ 100°C | 25 cSt | |
| Operating Temperature Range | -300C to +2000C (grease film) | 2000C to 6000C (dry film) |

## HEALTH & SAFETY

Please refer to the Safety Data Sheet, freely available, for product handling and disposal advice. Please note that the SDS includes handling, storage, health and disposal information which should be passed on to anyone else who comes in contact with our product. Additional advice can also be obtained from your local representative.

NOTE: Read and understand all precautions on container labels before using this product.

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