



## Product Information:

# K65 SYNTHETIC HIGH TEMP GREASE

### Description:

K65 is an industrial, extreme temperature, medium consistency plain and rolling bearing grease for applications at operating temperatures up to 600°C. It is a dispersant of fine particle size graphite, incorporated into a synthetic fluid which evaporates cleanly at high temperatures. 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, shortening the useful working life of the grease, and forming abrasive carbon deposits.

### Features:

- No carbonisation at high temperatures, greatly reduces maintenance costs and extends component life.
- Graphite lubricating film reduces wear.
- Will not cause bearing seizure, due to deposits left behind by degradation.

### Applications:

Typical applications include: kiln car bearings, furnace doors, drying tunnel mechanisms and other applications where high temperatures are encountered. The grease must be applied sparingly preferably by hand, after fitting and before assembling the bearing housing. It can 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 must be purged of the previous grease before starting to use K65.

As with all greases used for the first time, check compatibility with the grease applied previously and if necessary purge prior to application. Likewise, as a general rule, take care not to over-lubricate and apply the quantity of grease recommended by the manufacturer.

### Performance Level:

DIN 51502 KHF PG2R-30

ISO 6743-9 L-XCGHA2

### Physical Characteristics:

Appearance	Grey/Black
NLGI Consistency	2
Thickener	Inorganic
Graphite Content (%)	10
Base Oil	Polyalkylene glycol (PAG)
Base Oil Viscosity @ 40 °C (cSt)	128
Worked Penetration	265 to 295
Operating Temperature Range (°C)	-30 to +200 as a grease-like film +200 to +600 as a dry film

Part No.s:HTG075, HTG003

(TDS K65 291015 Issue 4)

