TECHNICAL DATA SHEET

ET 315 Grease

High temperature bearing grease
Product code: Z028

Product Description:

ET 315 grease is an industrial, extreme temperature, medium consistency, plain and rolling bearing grease for applications at operation temperatures up to 600°C. It is a fine dispersion of small particle size graphite incorporated in a synthetic fluid with an ashless, inorganic (non-soap), non-abrasive thickening agent.

Benefits:

- Suitable for high temperature applications
- Synthetic base
- Ashless formulation

Application:

Although ET 315 grease is primarily designed for extreme temperature operations, it also gives good service at lower temperatures. Typical applications include kiln car bearings, furnace doors and drying tunnel mechanisms. In many high temperature greases, severe limitations to performance are imposed by the base fluid and the thickener system. These may well degrade at high temperatures destroying the grease structure and forming bearing deposits. ET 315 grease is designed so that at elevated temperatures, its liquid phase evaporates leaving behind a non-abrasive amorphous graphite lubricant.

ET 315 grease must be applied sparingly preferably by hand, after fitting and before assembling the bearing housing. Over lubrication must be avoided, for example liberal application of the ET 315 grease to a stationary rolling bearing may result, at very high temperatures in graphite wedges being formed between the rolling element as the base fluid evaporates. This is an unsatisfactory form of lubricant and bearing performance might be severely retarded or inhibited on subsequent bearing motion.

Typical Test Data:

Colour	Black
Thickener	Inorganic
Drop Point (°C)	None
Penetration (mms^{-1})	265 - 295
NLGI Classification	2
Operating Temperature Range (°C)	-30 to +600
Base Oil Viscosity @ 40°C (cSt)	128

For health and safety information, please refer to the safety data sheet