



Texol Grease™ HSX 2

Technical Data Sheet

Texol Grease™ HSX 2

Fully synthetic grease for low temperature – High Speeds

Product Description

Texol Grease HSX 2 fully synthetic ester base, special calcium thickener and antioxidant, antiwear anticorrosive additives.

It is a lubricant accepted for incidental food contact, classified as H1.

Applications and Uses

Grease specially indicated for lubrication of roller bearings, plain bearings and other mechanisms working at:

- Very high speeds, with a speed factor up to 1.200.000 (speed factor: Average bearing diameter in mm X rotational speed in rpm).
- Low temperatures, down to -60°C.

Suited for application in spindle bearings in CNC tool machines in the metalworking industry, bearings and other mechanisms in freezing tunnels in ice cream and frozen food production.

Developed for the lubrication of gears in wind energy plants having very good protection against wear and corrosion. It keeps constantly the dynamic viscosity under shear action and shows excellent low temperature behavior and oxidation stability even if contaminated with water.

Advantages

- Excellent thermal stability
- Compatible with elastomers and plastics, used in robots
- Good compatibility when coming in contact with EPDM seals or even beer foam enhancing seal life and reduction in down time
- Working temperature from -60°C up to +150°C
- Low coefficients of friction, low temperature rise in the bearing
- Resistant to cold and hot water
- Long-term stability
- High corrosion protection

The statements made in this publication are according to our present knowledge. They do not absolve the user from own examinations. A legally binding assurance of certain properties or suitability for a specific use can no be derived from our statements. Possibly existing laws and regulations concerning the handling and use of our products have to be observed by the receiver of our products himself.



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Characteristics

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| Base oil viscosity at 40°C | 11.5 mm ² /s | DIN 51562 |
| Operating temperature range °C | -60 up to +150 | |
| Speed factor($n \times d_m$), mm x min ⁻¹ | 1,200,000 | |
| Colour | beige | |
| Dropping point °C | >240 | DIN ISO 2176 |
| NLGI class | 2 | DIN 51818 |
| Texture | homogeneous short-fibred | |