



## OPTIMUS AX 100-SYN

### PRODUCT DESCRIPTION:

Optimus AX 100-Syn grease is a high-performance grease developed for use in the food processing industry. It is based on fully synthetic base oil with Optimus AX 100-Syn thickener and performance additives. Optimus AX 100-Syn grease has a strong affinity for metal and it is highly stable when operating with heavy loads at high temperatures. It has excellent sealing properties and it is ideal for lubricating bearings subjected to high temperatures and pressures. The operating temperature range is -40°C to 180°C.

### APPLICATIONS

Optimus AX 100-Syn grease is used in bearings that operate at high temperatures, bearings in refrigeration facilities, bearings that require a lubricant with excellent adhesive and sealing properties.

### PRODUCT ADVANTAGES

- The operating temperature range is -40°C to 180°C
- Operates at extreme temperatures
- Excellent load-carrying capacity
- Good resistance against water
- Excellent adhesive and sealing properties
- Long-lasting lubrication

### TYPICAL PROPERTIES:

| PARAMETERS                     | TEST METHODS | TYPICAL VALUE        |                      |
|--------------------------------|--------------|----------------------|----------------------|
|                                |              | 1                    | 2                    |
| NLGI Grade                     | -            | 1                    | 2                    |
| Thickener Type                 | -            | Al-Complex Thickener | Al-Complex Thickener |
| Base Oil Type                  | -            | Synthetic            | Synthetic            |
| Appearance                     | Visual       | Smooth & Homogenous  | Smooth & Homogenous  |
| Color                          | Visual       | Ivory                | Ivory                |
| Work Penetration @25°C         | ASTM D217    | 310-340              | 265-295              |
| Dropping Point °C, Min         | ASTM D2265   | 250                  | 250                  |
| Four Ball Weld Load, Kgf, Min  | ASTM D2596   | 250                  | 250                  |
| Operating Temperature Range °C | INTERNAL     | -40 to 180           |                      |
| Base Oil Viscosity @40°C (Cst) | ASTM D445    | 100                  | 100                  |

**DISCLAIMER:** The test data provided above is not a specification but is indicative and may vary within permissible production tolerances. Lubrex reserves the right to modify this test data. Updated information will supersede previous versions, so please refer to the latest version of this Technical Data Sheet (TDS).

### HEALTH & SAFETY, ENVIRONMENT:

Prolonged and repeated contact with oil may cause skin disorders. Avoid contact. Wash immediately with soap and water. Do not discharge used oil in to drains or the environment. Dispose to an authorized used oil collection point. For further information on Safety Guidelines please refer to MSDS available on our website [www.lubrex.net](http://www.lubrex.net)

### HEALTH & SAFETY:

This product is not likely to present any significant health or safety hazards when properly used in the recommended application and good standards of personal hygiene are maintained. Reference is made to the Safety Data Sheet (SDS) which is available on request via your local sales office or via the internet [www.lubrex.net](http://www.lubrex.net)

### PROTECT THE ENVIRONMENT:

Take used oil to an authorized collection point. Comply with local regulation. Do not discharge into drains, soil or water.

### STORAGE:

We recommend to store all packages under cover. In case outside storage is unavoidable, drums should be laid horizontally to avoid the possible ingress of water and damage to drum markings. Products should never be stored above 60°C, exposed to hot sun or freezing conditions.

™ Trademark of LUBREX, Registered in Various Countries © 2005

All statements, information and data presented herein are believed to be accurate and reliable, but are not to be taken as a guarantee, an express warranty or an implied warranty of merchantability or fitness for a particular purpose, or representation, express or implied, for which LUBREX and its affiliates assume legal responsibility.