



ATRIX SYN AX-100

PRODUCT DESCRIPTION:

ATRIX SYN AX-100 grease is a high-performance lubricant specifically developed for the food processing industry. It is formulated with fully synthetic base oil, ATRIX SYN AX-100 thickener, and performance additives. This grease exhibits a strong affinity for metal and maintains high stability under heavy loads and at elevated temperatures. With excellent sealing properties, it is ideal for lubricating bearings exposed to high temperatures and pressures. The operating temperature range for ATRIX SYN AX-100 grease is from -40°C to 180°C, making it suitable for demanding applications in challenging environments.

APPLICATIONS

ATRIX SYN AX-100 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 presented above is for reference only and not a specification. It may vary within acceptable production tolerances. Alpha reserves the right to update this data, with the latest version of the Technical Data Sheet (TDS) taking precedence over previous versions.

HEALTH & SAFETY, ENVIRONMENT:

Extended and repeated exposure to oil may lead to skin issues. Avoid contact. If contact occurs, wash immediately with soap and water. Do not dispose of used oil in drains or the environment. Instead, take it to an authorized oil collection facility. For more safety information, please refer to the MSDS available on our website: www.alphaoil.ae

HEALTH & SAFETY:

When used correctly in the recommended application and with proper personal hygiene, this product is unlikely to pose significant health or safety risks. For detailed safety information, refer to the Safety Data Sheet (SDS), available upon request from your local sales office or online. www.alphaoil.ae

PROTECT THE ENVIRONMENT:

Dispose of used oil at an authorized collection point. Follow local regulations and avoid releasing it into drains, soil, or water.

STORAGE:

We recommend storing all packages under cover. If outdoor storage is necessary, drums should be placed horizontally to prevent water ingress and protect drum markings. Products should not be stored above 60°C or exposed to direct sunlight or freezing conditions.