



ATRIX LM3-100

PRODUCT DESCRIPTION:

ATRIX LM3-100 grease is formulated with lithium 12-hydroxystearate soap and high-quality mineral base oil. It is enhanced with antioxidants, rust and corrosion inhibitors, extreme pressure, and anti-wear additives. The addition of 3% molybdenum disulfide provides extra protection against wear and shock loads, ensuring improved performance and durability under demanding conditions. This grease offers exceptional protection and reliability in high-load applications.

APPLICATIONS

ATRIX LM3-100 grease is a multi-purpose grease suitable for a wide range of applications. It can be applied to lubrication points found on dozers, scrapers, earthmovers, cranes, shovels, rollers, combines, and cotton pickers. These lubrication points include most types of antifriction bearing arrangements from plain sleeve-types to rolling element bearings, as well as bushings and other sliding surface or pivot point.

PRODUCT ADVANTAGES

- The operating temperature range is from -20°C to 120°C
- The presence of moly provides additional protection against wear
- Excellent load-carrying capacity
- Good resistance against water
- Good mechanical stability
- Good corrosion protection

TYPICAL PROPERTIES:

PARAMETERS	TEST METHODS	TYPICAL VALUE	
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NLGI Grade	-		
Thickener Type	-	Lithium 12-Hydroxystearate	Lithium 12-Hydroxystearate
Appearance	Visual	Smooth & Homogenous	Smooth & Homogenous
Color	Visual	Dark gray	Dark gray
Work Penetration @25°C,	ASTM D217	265-295	220-250
Copper Strip Corrosion 24hrs @100°C	ASTM D4048	1b max.	1b max.
Dropping Point °C, Min	ASTM D2265	180	180
Water Washout Resistance %Wt. @79°C	ASTM D1264	max 10	max 10
Four Ball, Load Wear Scar, Mm	ASTM D2266	0.6	0.6
Four Ball Weld Load, Kgf, Min	ASTM D2596	200	200
Dry Lubricant	-	Molybdenum Disulfide	Molybdenum Disulfide
Operating Temperature Range, °C	INTERNAL	-20 to 120	
Base Oil Viscosity @40°C (Cst)	ASTM D445	90 - 110	90-110

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.