



## Mobilux™ EP 2 Moly

Mobil Grease , Belgium

Grease

### Product Description

Mobilux EP 2 Moly is a premium quality multi-purpose, lithium-base NLGI No 2 grease recommended for general industrial applications. It contains an extreme-pressure additive for increased load-carrying ability. Additionally, it contains molybdenum disulfide (also known as moly and MoS 2), which enhances the anti-friction properties of the grease under boundary lubrication conditions. Mobilux EP 2 Moly is dark gray and has a smooth, buttery texture. It is water resistant, has excellent oxidation and mechanical stability, and protects against corrosion.

### Features and Benefits

Molybdenum disulfide offers particular advantages under boundary lubrication conditions, especially where sliding or vibration action pushes the grease away from the contacting surfaces. It provides a measure of protection against fretting and is therefore recommended where this phenomenon is a problem, as in splined shafts, pivot pins, fifth wheels, and other parts subjected to oscillating or sliding motion. Also, where relubrication is infrequent, molybdenum disulfide provides extended lubrication protection.

Mobilux EP 2 Moly multi-purpose grease offers the following features and benefits:

- Wide range of industrial and automotive applications
- Fortified with extreme-pressure additives for heavy loads
- Contains molybdenum disulfide for extra protection in oscillating, sliding, or vibrating applications
- Excellent oxidation stability, water resistance, and corrosion protection

### Applications

Mobilux EP 2 Moly is suitable for plain bearings and gears. It also can be used in rolling contact bearings, but is not generally recommended for high-precision rolling contact bearings because of the possibility of molybdenum disulfide building up in the clearances. Mobilux EP 2 Moly has applications in the construction, mining, and farming industries. In off-highway trucks and other vehicles, it provides excellent service in bucket pins, rack and pinion gearing, fifth wheels, steering gears, etc.

### Properties and Specifications

Property	
Grade	NLGI 2
Thickener Type	Lithium
Base Oil Viscosity of Greases @ 40 C, mm <sup>2</sup> /s, AMS 1697	150
Color, Visual	Dark Gray
Corrosion Preventive Properties, Rating, ASTM D1743	PASS
Dropping Point, °C, ASTM D2265	175 (347)
Molybdenum Disulfide Content, wt %, CALCULATED	3
Oil Separation, mass%, ASTM D1742	3

Property	
Penetration, 60X, 0.1 mm, ASTM D217	280
Timken OK Load, kg, ASTM D2509	18 (40)
Water Washout, Loss @ 79 C, wt%, ASTM D1264	6
Wheel Bearing Test, Loss, 6 h @ 104 C, %, ASTM D1263	0

### Health and safety

Health and Safety recommendations for this product can be found on the Material Safety Data Sheet (MSDS) @ <http://www.msds.exxonmobil.com/psims/psims.aspx>

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ExxonMobil Lubricants and Specialties Europe division of ExxonMobil Petroleum & Chemical BV

Polderdijkweg

B-2030 Antwerpen

Automotive products: 0800 80634

Industrial products: 0800 80635

Fax: 0800 80648

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