Mobilux™ EP 2 Moly

Mobil Grease , Lithuania

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, mm2/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

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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Typical Properties are typical of those obtained with normal production tolerance and do not constitute a specification. Variations that do not affect product performance are to be expected during normal manufacture and at different blending locations. The information contained herein is subject to change without notice. All products may not be available locally. For more information, contact your local ExxonMobil contact or visit www.exxonmobil.com

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