



Ulti-Plex[®] Synthetic Grease M EP

High performance high temperature synthetic grease

Product description

Ulti-Plex Synthetic Grease M EP is a high performance high temperature synthetic grease, formulated with a lithium complex thickener, high viscosity base oil and MoS₂ component with anti-oxidation, anti-corrosion, anti-wear and extreme pressure additives, to offer increased protection and performance.

The lithium complex thickener in Ulti-Plex Synthetic Grease M EP, combined with a high viscosity PAO base makes it highly mechanically stable. This makes it suitable for high temperature applications and for the protection of heavily loaded plain and roller bearings and pinions operating under boundary lubrication conditions. It is also suitable for use in wet or corrosive environments.

Customer benefits

- Promotes high performance stability in continuous high temperature operations
- Aids pumpability in low temperature conditions
- Offers good mechanical stability
- Contributes reliable load carrying capacity
- Assists corrosion prevention in critical components

Product highlights

- **Suitable for a wide variety of applications**
- **Promotes high performance stability in high temperature operations**
- **Offers low temperature pumpability**
- **Aids robust load carrying capacity**
- **Helps prevent corrosion**

Selected specification standards include:

DIN

ISO

Applications

Ulti-Plex Synthetic Grease M EP is ideal for a wide variety of applications across several industries, including:

Mining

- Ulti-Plex Synthetic Grease M EP is particularly recommended for mining operations that involve extreme pressure applications requiring low temperature pumpability. Applications include: pins and bushings on buckets and loaders, shaker screens, crushers, and conveyors in low temperature mining applications, automatic lubricating systems in onboard shovels, trucks, and other mobile equipment

Off-Road Construction

- This grease is ideally suited to lubrication systems that involve pumping grease through long supply lines at low temperatures. It also displays good water washout resistance properties in wet, off-road environments

Steel

- Steel mill applications often involve high temperatures. The structural stability of Ulti-Plex Synthetic Grease M EP makes it appropriate in these situations. Its extreme pressure properties and resistance to water washout are also key in the steel mill environment. This grease provides good protection for steel mill roll bearings, conveyors, furnace and coiler grease points, pump bearings, and exhaust fan bearings

Marine

- The rust and corrosion inhibition properties of Ulti-Plex Synthetic Grease M EP make it ideal for use in marine equipment exposed to severe corrosion environments. Examples include deck equipment, offshore drilling equipment, grease lubricated shaft bearings, cranes, and windlass winches

Approvals, performance and recommendations

Performance

	DIN 51 502	ISO 6743-09	Operating temperature
Chevron Ulti-Plex Synthetic Grease M EP	KPFHC 2N-30	ISO-L-XCDEB2	-30 °C up to +140 °C with frequent re-lubrication up to +150 °C for a short period

Ulti-Plex® Synthetic Grease M EP – Continued

Typical test data		
Test	Test methods	Results
NLGI Grade		1.5
Product Code		002415
Appearance	Visual	Grey
Texture	Visual	Smooth
Thickener type	-	Lithium Complex
MoS ₂ content, %	-	5
Base oil type	-	PAO
Base oil viscosity at 40°C, mm ² /s	DIN 51 562	335
Worked Penetration, 60x, mm/10	ISO 2137	290-320
Dropping Point, °C	DIN ISO 2176	>260
Emcor corrosion test, distilled	DIN 51 802	Pass
Copper corrosion at 24hrs/120°C	DIN 51 811	1a
Four ball Wear, method E, mm	DIN 51 51350/5	0.5
Four ball EP, N	DIN 51350/4	>5000

The information given in the typical data does not constitute a specification but is an indication based on current production and can be affected by allowable production tolerances. The right to make modifications is reserved. This supersedes all previous editions and information contained in them.

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Health, safety, storage and environmental Based on current available information, this product is not expected to produce adverse effects on health when used for the intended application and in accordance with the recommendations provided in the Material Safety Data Sheet (MSDS). MSDSs are available upon request through your local sales office, or via the Internet. This product should not be used for purposes other than its intended use. When disposing of used product, take care to protect the environment and follow local legislation.

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