



Ulti-Plex[®] Synthetic Grease EP

High performance high temperature synthetic grease

Product description

Ulti-Plex Synthetic Grease EP is a high performance lithium complex thickened grease, formulated with high viscosity synthetic base oils, oxidation and corrosion inhibitors combined with extreme pressure and anti-wear additives.

Ulti-Plex Synthetic Grease EP's lithium thickeners and PAO base make it suitable for high temperature applications, heavily loaded bearings and wet or corrosive operating environments. The complex soap structure gives this grease a high degree of mechanical stability.

Customer benefits

- Offers high performance stability in continuous high temperature operations
- Aids pumpability in low temperature conditions
- Contributes good mechanical stability
- Promotes robust load carrying capacity
- Helps prevent corrosion in critical vulnerable components

Product highlights

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

Selected specification standards include:

DIN	ISO
NLGI	

Applications

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

Paper and Forest Products

This lubricant is suited for severe service applications such as:

- Sludge press bearings, lime kilns, pumps, wood yard heavy equipment, Doctor oscillator bearings, felt roll bearings, pulp refiner bearings, rope sheaves, and exhaust fan bearings
- Ulti-Plex Synthetic Grease EP is particularly well-suited for high temperature applications, such as felt roll bearings and lime kilns operating at temperatures in excess of +204°C with centralised lubrication systems

Mining

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

Off-Road Construction

- This grease is ideally suited for 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 robust structural stability of Ulti-Plex Synthetic Grease EP makes it appropriate for 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 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

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Approvals, performance and recommendations

Performance

	DIN 51 502	ISO 6743-09	Operating temperature
Ulti-Plex Synthetic Grease EP 1.5	KPHC 2N-30	ISO-L-XCDEB2	-30 °C up to 140 °C with frequent relubrication up to +150 °C for a short period

- NLGI Service Category LB

Typical test data		
Test	Test methods	Results
NLGI Grade		1.5
Product Code		002414
Appearance	Visual	Light Brown
Texture	Visual	Smooth
Thickener type	-	Lithium Complex
MoS ₂ content, %	-	0
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	0.65
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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