ULTI-PLEX® SYNTHETIC GREASE EP

PRODUCT DESCRIPTION

Ulti-Plex® Synthetic Grease EP is a high performance grease specially formulated for extreme pressure bearing applications operating under high and low temperatures.

CUSTOMER BENEFITS

Ulti-Plex Synthetic Grease EP delivers value through:

- **High temperature stability**
- **Low temperature pumpability**
- **Low temperature lubrication**
- **Excellent corrosion protection**
- **Excellent water washout performance**
- **Long relubrication intervals**

FEATURES

Ulti-Plex Synthetic Grease EP is a high performance grease specially formulated for extreme pressure bearing applications operating under high and low temperature conditions and for those difficult applications requiring extended lubrication intervals.

It is manufactured using selected highly refined high viscosity synthetic base oils, a lithium complex thickener, rust and oxidation inhibitors, and extreme pressure and tackiness additives. It is light tan in color and smooth and buttery in texture.

Ulti-Plex Synthetic Grease EP provides an alternative for high temperature applications. The uniform molecular structure of the synthetic base oils reduces friction between moving parts and boosts lubrication performance over a wide temperature range.

The high viscosity index of the synthetic base oils allow for exceptional pumpability at subzero (-18°C/0°F) temperatures, allowing bearings lubricated with Ulti-Plex Synthetic Grease EP to operate at temperatures as low as -51°C (-60°F).

APPLICATIONS

Ulti-Plex Synthetic Grease EP is recommended for use in applications with temperatures up to 232°C (450°F), with a dropping point of approximately 280°C (536°F).

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

- **Paper and Forest Products** — Ulti-Plex Synthetic Grease EP is recommended for applications such as: sludge press bearings, lime kilns, pumps, woodyard 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 (400°F) when combined with frequent re-lubrication.
- **Mining** — Ulti-Plex Synthetic Grease EP is recommended for
  - — mining operations that involve high pressure applications requiring 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** — Ulti-Plex Synthetic Grease EP is well suited for lubrication systems that involve pumping grease through long supply lines at low temperatures. It also displays exceptional water washout resistance properties in wet, off-road environments.
- **Marine** — The rust and corrosion inhibition properties of Ulti-Plex Synthetic Grease EP make it ideal for use in marine equipment exposed to corrosion environments. Examples include deck equipment, offshore drilling equipment, grease

Product(s) manufactured in the USA.
Always confirm that the product selected is consistent with the original equipment manufacturer's recommendation for the equipment operating conditions and customer's maintenance practices.

A **Chevron** company product

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lubricated shaft bearings, cranes, and windlass winches.

Ulti-Plex® Synthetic Grease EP is registered by **NSF** and is acceptable as a lubricant where there is no possibility of food contact (H2) in and around food processing areas. The NSF Nonfood Compounds Registration Program is a continuation of the USDA product approval and listing program, which is based on meeting regulatory requirements of appropriate use, ingredient review and labeling verification.

TYPICAL TEST DATA

NLGI Grade	**1.5**
Product Number	*250188*
SDS Number	*5343*
Operating Temperature, °C(°F) Minimum[a] Maximum[b]	 -51(-60) 232(450)
Penetration, at 25°C(77°F) Unworked Worked	 295 315
Dropping Point, °C(°F)	280(536)
Timken OK Load, lb	50
Four-Ball Weld Point, kg	 500
Load Wear Index, kg	79
Bearing Water Washout, wt % loss at 175°F	5
Lincoln Ventmeter, psig at 30 s, at 75°F 30°F 0°F -22°F	 38 → 517 725
Copper Corrosion	1B
Thickener, % Type	13.0 Lithium Complex
ISO Viscosity Grade, Base Oil Equivalent	 460
Viscosity, Kinematic* (Base Fluid) cSt at 40°C cSt at 100°C	 302 32.0
Viscosity, Saybolt* (Base Fluid) SUS at 100°F SUS at 210°F	 1425 151
Viscosity Index* (Base Fluid)	145
Flash Point, °C(°F) (Base Fluid)	288(550)
Texture	Smooth, Buttery
Color	Light Tan

a Minimum operating temperature is the lowest temperature at which a grease, already in place, could be expected to provide lubrication. Most greases cannot be pumped at these minimum temperatures.

b Maximum operating temperature is the highest temperature at which the grease could be used with frequent (daily) relubrication.

→ Not tested at this temperature.

Minor variations in product typical test data are to be expected in normal manufacturing.

*Determined on base oil extracted by vacuum filtration.

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