



GREASES

Ulti-plex[®] Synthetic Grease EP**Description**

Ulti-Plex Synthetic Grease EP is a multipurpose, high-performance grease specially formulated for extreme pressure-bearing applications operating under the most extreme high and low temperature conditions and for those difficult applications requiring extended lubrication intervals. It is manufactured using selected high-viscosity synthetic base oils, a lithium complex thickener, rust and oxidation inhibitors, and extreme pressure and tackiness additives. It is light tan in appearance and smooth and buttery in texture. It is approved for the new NLGI Certification Mark LB.

Typical Characteristics

NLGI Grade	1.5
Code	040708
Base oil viscosity, kinematic, mm ² /s (cSt)	
at 40°C	344
at 100°C	35.5
Viscosity index	148
Bearing water washout, mass % loss at 79°C	5
Dropping point, °C	285
Four-ball EP test weld point, N	4,000
Wear, scar diameter, mm	0.26
Lincoln Ventmeter, bar at 30 sec.,	
starting from 124 bar,	
at 17.8°C	28
at 30°C	50
Penetration at 25°C	
hour unworked	295
hour worked	315
Texture	Smooth, buttery
Thickener type	Lithium complex
Operating temperature range, °C	-50 to 230

Recommended Users

Ulti-Plex Synthetic Grease EP, composed of a lithium complex thickener and synthetic base oils, provides an alternative for high temperature applications. The uniform molecular structure of the synthetic base oils minimizes friction between moving parts and boosts lubrication performance over a wide temperature range. Thus, Ulti-Plex Synthetic Grease EP is recommended for use in applications with temperatures up to 230°C, with a dropping point of approximately 285°C. In addition, the high viscosity index (V.I.) of the synthetic base oils allow for greater pumpability at sub-zero (-30°C) temperatures, allowing bearings lubricated with Ulti-Plex Synthetic Grease EP to operate at temperatures as low as -50°C. 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, winches, and windlasses.

Performance Benefits**1. High Temperature Stability**

Due to its very high dropping point, Ulti-Plex Synthetic Grease EP can be recommended for use at high operating temperatures.

2. Low Temperature Pumpability

The high viscosity index of the synthetic base oils allows very low operating temperatures.

3. Corrosion and Wear Protection

The well-balanced additive package gives maximum protection against rust, corrosion and wear.

4. Water Resistance

Provides excellent lubrication in the presence of water and is not washed out of bearings.