



Maxtron[®] FS

Full-Synthetic Multi-purpose Lithium Complex Grease

General Description

Maxtron[®] FS grease is a high-performance multi-purpose grease which combines a premium full-synthetic base fluid with a lithium complex soap thickener. The thickener system provides a high dropping point, while additives impart optimum extreme-pressure (EP) properties, excellent resistance to water wash-out and superior protection against rust and corrosion.

Maxtron FS has excellent structural stability. The 100% synthetic base oils give it excellent performance properties at both high- and low-temperatures. High structural shear stability and a high performance base oil make it an outstanding multi-purpose grease.

Features and Benefits

- **Full-Synthetic Performance:** Synthetic base oil delivers high performance under extreme cold and hot operating temperatures and provides excellent protection for heavily loaded bearings in medium speed application and equipment in wet and corrosive environments.
- **Extreme Pressure and Anti-wear Performance:** Excellent extreme pressure properties and anti-wear additives reduce wear and maintenance costs.
- **Long Life:** Synthetic formulation coupled with the complex thickener, superior oxidative and thermal stability lead to longer grease life prolonging lubrication intervals.
- **High Dropping Point:** A dropping point over 500°F demonstrates Maxtron FS's ability to handle high-temperatures.
- **Rust and Corrosion Protection:** Excellent rust and corrosion prevention leads to prolonged equipment life.
- **Seal Compatibility:** Excellent seal compatibility decreases degradation and swelling of seal materials.

Expect Superior Performance In

- Both high- and low-temperature applications
- Wet and corrosive environments
- Shock load conditions
- Chassis lubrication
- Wheel bearings

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Typical Applications

Maxtron® FS is recommended for:

- NLGI Service GC-LB
- Extreme temperature operations
- Severe load applications

Typical Customers

- Industrial Equipment Operators
- Truck Service Shops
- Auto Service Shops
- Mining Service Companies
- Construction Companies

Typical Properties

Properties	Maxtron FS #2	Maxtron FS #1	Maxtron FS #0	Maxtron FS #00
NLGI Grade	#2	#1	#0	#00
NLGI Service Classification	GC-LB			
Thickener	Lithium Complex	Lithium Complex	Lithium Complex	Lithium Complex
Color	Amber	Amber	Amber	Amber
Penetration, 60 strokes (range)	265-295	310-340	310-340	310-340
Dropping Point, Minimum °F	>500	>500	>450	>450
Base Oil Viscosity, cSt @ 40°C	220	220	220	220
Base Oil Viscosity, cSt @ 100°C	24	24	24	24
Base Oil Viscosity Index	138	138	138	138
Base Oil Group	Synthetic	Synthetic	Synthetic	Synthetic
Timken Load	55	50	45	40
Four Ball Wear Scar	0.6 max	0.6 max	0.6 max	0.6 max
Four Ball EP Weld	500	500	400	315
Four Ball Load Wear Index	70	70	56	45
Rust Protection	Pass	Pass	Pass	Pass
Copper Corrosion	1b	1b	1b	1b
Oxidation Stability @100 hrs	<5	<5	<5	<5
Oil Separation % Separated	2	2	N/A	N/A
Water Washout % Loss @ 175°F	<5	<10	N/A	N/A
High Temp Wheel Bearing Life, hrs	>80	N/A	N/A	N/A
Low Temperature Torque @ -40°F, N-m	<15.5	N/A	N/A	N/A
Operating Temperature Range °F	-40 to 300°F	-40 to 300°F	-50 to 300°F	-60 to 300°F
Operating Temperature Range °C	-40 to 150°C	-40 to 150°C	-45 to 150°C	-50 to 150°C

The data can vary within given tolerances. Temperature range is given as a guideline only.

The typical properties listed reflect the general characteristics of the product, and are not manufacturing specifications. Normal batch-to-batch variations should be expected.

Health & Safety

A complete safety data sheet is available by calling 1-651-355-8438 or visit cenex.com/sds-library.