



Grease Lithium Complex MX

Mineral oil based lithium complex grease with improved adhesiveness

Description

Grease Lithium Complex MX has been formulated with a complex soap thickener and highly refined mineral base oil. Avoids friction even under severe and limited lubricating conditions. Contains special micronized graphite. The EP, antioxidant and anticorrosive additives secure a continuous protection film on metal surfaces and will avoid early breakdown due to fatigue, micro cracks, scratches, high pressures and shock loads. Its outstanding sealing capacity eliminates penetration of contaminating particles and entrance of water and water-oil emulsions used during the metalworking process.

Applications

Grease Lithium Complex MX is used in loaded mechanisms and bearings operated in a wide temperatures range (-10 to 190 °C), with possible water and/or emulsions presence, at medium and low speeds. Such conditions are seen in different mechanisms such as steel, copper, brass rolling, steel industry equipment, cement industry and public works machinery.

Benefits

- Wide temperature range
- Resists high and shock loads
- Adhesive
- Excellent sealing capacity
- Excellent water resistance
- High stability to mechanic work
- Additive package with reduced environmental impact

Typical performance data

	MX 2	MX 3
Colour	Black greyish	
Thickener	Lithium complex	
Base oil type	Mineral	
Base oil viscosity @ 40 °C, cSt	460	
Base oil viscosity @ 100 °C, cSt	32	
NLGI consistency class	2	3
Dropping point, °C	>250	>250
Penetration @ 25 °C, x 0,1 mm	265-295	220-250
4-ball wear test		
• Welding load, kg	600	600
• Wear scar diameter 1/80 kg, mm	0,45	0,45
Copper corrosion, 24hr/100 °C	1b	1b
EMCOR corrosion test	1	1
Water washout @ 80 °C, %	4	4
Operating temperatures, °C	-10 – 190	-10 – 190

All performance data on this Technical Data Sheet are indicative only and can vary during production
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