



Multifak[®] Premium 3

Efficient performance lithium grease

Product description

Multifak Premium 3 is an efficient performance lithium grease formulated with a highly refined ISO 120 mineral base oil, combined with oxidation and corrosion inhibitors and anti-wear additives and is suitable for a wide range of applications within a specified temperature window.

Customer benefits

- Oxidation resistance and mechanical stability contributes to increased grease service life
- Rust and corrosion inhibitors promote protection in ferrous components and help reduce maintenance downtime
- Wide temperature capability aids effective lubrication under varying climatic conditions
- Water wash-out resistance offers protection under wet operating conditions

Applications

- Medium and slow speed industrial plain and rolling bearings
- Electric motor bearings
- Railroad freight car journal roller bearings
- Pre-packed industrial bearings
- Centralised lubrication systems
- Wide range of industrial and automotive uses where sliding speeds are moderate and heavy EP characteristics are not required

Product highlights

- **Oxidation resistant and mechanically stable**
- **Rust and corrosion protection**
- **Wide temperature capability and water wash-out resistance**

Selected specification standards include:

DIN

ISO

Approvals, performance and recommendations

Performance

	DIN 51 502	ISO 6743-09	Operating temperature
Multifak Premium 3	K 3K-30	ISO-L-XCCFA3	-30 up to +120°C, max +130°C

Typical test data		
Test	Test methods	Results
NLGI grade	DIN 51 818	3
Product Code		002310
Soap type	DIN 51 814	Lithium-12-hydroxistearate
Texture	Visual	Smooth
Dropping Point, °C	ISO 2176	Min 195 (196.3°C)
Oil Type	—	Mineral
Base oil viscosity at 40°C, mm ² /s	DIN 51 562	120
Penetration worked, 0.1 mm	ISO 2137	229
Copper Corrosion 24h/100°C	DIN 51 811	1
Emcor corrosion, distilled water	ISO 11007	0/0
Water resistance, static	DIN 51 807/1	1/40 – 1/90
Four Ball OK load, N	DIN 51 350/4	2000
Four Ball Wear, scar diameter, mm	DIN 51 350/5	0.39

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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