



MULTIS EP 2

DESCRIPTION

Multi-purpose Extreme Pressure Lithium/Calcium grease, NLGI grade 2.

APPLICATIONS

MULTIS EP 2 is a true multi-purpose grease, formulated for lubrication of loaded slide-ball, and roller-bearings, wheel bearings, universal joints, chassis, and various shock loaded or vibrating applications in transport, agriculture and off-road equipment, operating in wet, dusty and/or dry conditions.

Suitable as general-purpose grease for industrial applications requiring a NLGI 2 grade.

Extreme Pressure grease.

SPECIFICATIONS

ISO 6743-9: L-XCCEB 2

DIN 51 502: KP2K -30

ADVANTAGES

- Because of its true multi-purpose character **MULTIS EP 2** may replace a wide range of greases, allowing stock rationalization and simplification of maintenance.
- Forms a durable lubrication film, resulting in reduction of maintenance and down-time costs.
- Miscible with most other conventional soap greases.
- Excellent mechanical stability avoiding ejection or loss of consistency during operation.
- Excellent adhesion to metal.
- Good thermal stability, leading to high resistance to temperature variations.
- **MULTIS EP 2** does not contain lead, or other heavy metals considered harmful to human health and the environment.

This lubricant used as recommended and for the application for which it has been designed does not present any particular risk. A material safety data sheet conforming to the regulations in use in the E.C. can be obtained from your local commercial advisor or downloaded at ms-sds.totalenergies.com

RECOMMENDATIONS

Always avoid contamination of the grease by dust and/or dirt when applying. Preferably use a pneumatic pump system or cartridges.

For upgrading towards a multipurpose grease with improved high temperature resistance :

MULTIS COMPLEX EP 2

For upgrading towards a biosourced and biodegradable version with improved cold properties :

BIOMULTIS EP 2

TYPICAL CHARACTERISTICS

PROPERTIES	METHODS	UNITS	MULTIS EP 2
Soap/thickener		-	Lithium / Calcium
NLGI Grade	ASTM D 217/DIN 51 818	-	2
Color	Visual	-	Amber
Appearance	Visual	-	Smooth
Operating temperature range		°C	-30 to120
Penetration at 25°C	ASTM D 217/DIN 51 818	0.1 mm	265 - 295
4-balls weld load	DIN 51 350-4	daN	260 - 280
4-balls weld load	ASTM D 2596	Kgf	315
4-balls wear scar	ASTM D 2266	mm	0.6
Anti-rust performance SKF-EMCOR	DIN 51 802/IP220/NFT 60-135/ ISO 11007	Rating	0 - 0
Dropping point	IP 396/DIN ISO 2176	°C	>190
Kinematic viscosity of the base oil at 40°C	ASTM D 445/DIN 51562-1/ISO 3104/IP71	mm ² /s (cSt)	220

Above characteristics are mean values given as an information.

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