



Starplex® EP 2

High performance multipurpose automotive and industrial EP grease

Product Data Sheet

Product description

Starplex EP 2 is a high performance multipurpose automotive and industrial extreme pressure grease. It is designed to offer advanced lubrication performance and protection to automotive wheel bearings and chassis components along with a wide range of industrial applications.

Starplex EP 2 is formulated with high quality mineral base oils in combination with a lithium complex thickener and additives designed to offer highly effective EP protection. Starplex EP 2 contains rust, corrosion and oxidation inhibitors and a stay-in-place tackifier to help provide long-term protection. Starplex EP 2 is dark red in colour.

Customer benefits

- High performance EP additive system offers protection to wheel bearings in severe and shock load operations
- Reliable rust and corrosion inhibitors offer protection to metal components under severe water exposure conditions
- Very high dropping point helps minimise bearing leaks and maintain bearing protection in elevated operating temperatures
- Robust oxidation resistance contributes to consistent bearing protection and extended grease service life
- Natural water resistance and tackifier performance offers stay-in-place protection against water wash-out
- Multipurpose automotive and industrial application capabilities help reduce inventories and potential misapplications

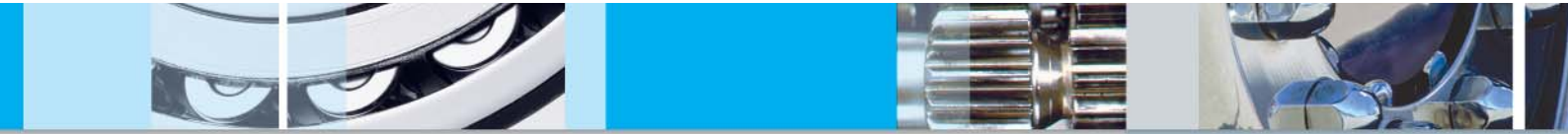
Product highlights:

- Severe and shock load protection
- Protection under severe water exposure
- Very high dropping point
- Extended grease service life
- Stay-in-place water wash-out protection
- Selected specification standards include:
 - DIN 51 502
 - ISO 6743-09
 - Mack
 - Mercedes
 - NLGI
 - Volvo

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Applications

- Automotive wheel bearings and chassis lubrication
- On- and off-highway applications
- Construction equipment
- Agricultural tractors
- Heavy-duty transport
- Wide range of general industrial greasing

Approvals and performance

Performance

	DIN 51 502	ISO 6743-09	OPERATING TEMPERATURE
Starplex EP 2	KP 2N-30	ISO-L-XCDHB 2	-35°C up to +140°C with short term exposure up to +220°C

Starplex EP 2 meets:

- NLGI Service Category GC-LB
- Mack GC-G
- Mercedes: sheet 265.1:High temperature roller bearing grease

Approvals

- Volvo Corporate Standard STD 1277.2

Service considerations

- Although Starplex EP 2 has a very high dropping point, which enables it to provide effective lubrication at temperatures well beyond those possible for conventional lithium soap greases, extended service at such elevated temperatures requires frequent re-lubrication to prevent oxidative degradation of the mineral base oil occurring
- Not recommended for constant-velocity joints on front wheel drive vehicles



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continued

Typical test data

STARPLEX EP 2 TEST	TEST METHODS	RESULTS
NLGI Grade		2
Product Code		510805
Appearance	Visual	Red
Texture	-	Smooth
Thickener type	-	Lithium complex
Thickener content, %	-	11
Dropping Point, °C	ISO 2176	>250
Oil type	-	Mineral
Base oil viscosity at 40°C, mm ² /s	DIN 51 562	220
Base oil viscosity at 100°C, mm ² /s	DIN 51 562	14
Penetration worked, 0.1 mm	ISO 2137	280
Four Ball welding point, kgf	ASTM D2596	315
Wear Scar Diameter, mm	ASTM D 2266	0.4
Emcor corrosion test	DIN 51 802	Pass
Four Ball EP weld, N	DIN 51 350/4	>2600

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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