



SRI Grease 2

High performance high temperature grease

Product description

SRI Grease 2 is a high performance high temperature ball and roller bearing grease. It is dark green in colour and has a smooth, buttery structure.

SRI Grease 2 is formulated with highly refined base stocks, a high performance ashless organic polyurea thickener and robust anti-rust and anti-oxidation additives.

Customer benefits

- Designed for use in a wide range of high temperature, high speed applications helping reduce inventories and associated costs
- Offers component protection across a wide operating temperature range, from as low as -20°C up to +150°C
- Formulated to offer reliable long service oxidation stability, helping improve equipment performance and protection
- Helps protect components at high temperatures, and speeds in excess of 10,000 rpm and where salt water ingress is possible
- Provides rust protection as defined by ASTM D5969 helping provide longer bearing life in high speed, high temperature operations

Product highlights

- **Designed for use in a wide range of applications**
- **Temperature range, from -20°C to +150°C**
- **Formulated to offer robust oxidation stability**
- **Helps protect at high temperatures and speeds**
- **Provides rust protection as defined by ASTM D5969**

Selected specification standards include:

DIN 51 502

ISO 6743-9

Schaeffler

Applications

SRI Grease 2 is recommended:

- for use in a wide range of automotive and industrial applications
- for use in anti-friction bearings operating at high speeds of 10,000 rpm and greater
- where operating temperatures are +150°C or higher
- where there is a likelihood that water or salt water will enter bearings
- SRI Grease 2 is recommended for use in anti-friction bearings operating at high speeds (10,000 rpm and greater) where silent operations are required and where the operating temperatures are in the order of a maximum of +150°C, and where there is a likelihood that water or salt water entering bearings. It performs satisfactorily in bearings at temperatures as low as -20°C
- SRI Grease 2 passes the Static Bearing Rust Test, ASTM D5969, with 10% synthetic sea water. These properties help to provide longer bearing life under high speed and high temperature operation. Under normal operating temperatures and conditions. SRI Grease 2 can be used as a "life-pack" lubricant in sealed bearings

Note that in today's more modern, high output (horsepower), high load electric motors, there are times where these units employ ball bearings and roller element bearings on the same motor. On units where horsepower and load are considered high on the roller element bearing, EP greases should be employed. In these instances, Black Pearl Grease EP 2 would be the grease of choice and is fully compatible to use with SRI Grease 2.

Approvals, performance and recommendations

Operating temperature:

-20°C up to +140°C, with short peaks up to +150°C

Approvals

- Schaeffler PL8.250CF

Performance

- DIN 51 502: KU2-20+140M+100 (K2N-20)
- ISO 6743-9: ISO-L-X BDFA2

SRI Grease 2 – Continued

Typical test data		
Test	Test Methods	Results
NLGI grade		2
Shelf Life: 24 months from date of filling indicated on the product label.		
Appearance	Visual	Dark Green
Texture	—	Smooth, Buttery
Thickener type	—	Polyurea
Thickener Content, %	—	8
Penetration worked, 60 strokes mm/10	ISO 2137	265-295
Base oil Type	—	Mineral
Base Oil viscosity at 40°C, mm ² /s	ASTM D7152	116
Base Oil viscosity at 100°C, mm ² /s	ASTM D7152	12.2
Dropping Point, °C	IP 396	242
FE9, B/1500/6000/140°C	—	F50 ≥ 100h
FE9, A/1500/6000/150°C	—	F50 = 438 h
Four ball Weld Load, N	DIN 51 350/4	1600
Water resistance static, 90°C	DIN 51807/1	0
Water washout dynamic at 38°C, %	ISO 11009	?
Emcor corrosion test salt water, 10%	ISO 11007	1/2
Emcor corrosion test distilled water	ISO 11007	0/0
Flow pressure at -20°C, mbar	DIN 51 805	1207
Low Temperature Torque at -20°C	IP 186/93	—
Starting torque, mNm	—	421
Running Torque, mNm	—	24
Density at 15°C, kg/l	IP 530	0.9
Copper corrosion, 24h/140°C	DIN 51811	≤2
Content of solid foreign matter, filtration with 25 µm	QV2.148—in combination with DIN 51813	< 10 mg/kg
Noise testing on the noise-tester MGG11	QV3.102FB	Noise class: ≤ III/1

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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