

Black Pearl SRI 2 (Formerly SRI Grease)

High Temperature Anti-friction Bearing Polyurea Grease



Product description

Black Pearl SRI 2 is a specially formulated grease containing a highly refined paraffinic base oil, synthetic polyurea ashless organic thickener and high performance rust and oxidation inhibitors, for the lubrication of anti-friction ball, needle and roller bearings operating at speeds up to and above 10,000 rpm, operating at higher temperatures, or where water or salt water may penetrate bearings.

Customer benefits

- Long service life at high temperatures
- Synthetic polyurea thickener is oxidatively stable at elevated temperatures. This, coupled with its high dropping point and the highly refined base oil and high performance anti-oxidant components, enables operation for periods at high temperatures.
- Long bearing life under severe conditions
- Special rust and corrosion inhibitors provide protection to metal surfaces in wet conditions, even in a salt water environment. Passes Bearing Rust Test, ASTM D5969 with synthetic sea water. Outstanding oxidation stability helps prevent the formation of corrosive oxidation by-products.
- Excellent resistance to water washout
- Synthetic polyurea thickener has excellent inherent water resistance.
- Wide application range
- Wide temperature range capability and excellent water resistance allow use in a wide variety of operating conditions.

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Applications

Black Pearl SRI 2 may be used in:

- High speed bearings operating under high or low temperature conditions
- Unsealed bearings where there is the likelihood of fresh or salt water getting into the bearings
- Sealed-for-life bearings
- Industrial ball and roller bearings
- Electric motor, fan, and air-conditioning unit bearings
- Automotive alternator, generator and starter motor bearings
- Water pump bearings
- Boat trailer wheel bearings

Usable temperature range in continuous service from -30 to 150°C. Maximum temperature for short term exposure is 175°C.

Product approvals, performance and recommendations

Performance standards

Suitable for use in high-speed bearings from major bearing OEMs including SKF, FAG-Schaeffler, NSK. Consult the OEM representatives for independent verification, updates and recommendations.



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Typical test data

BLACK PEARL SRI 2	TEST METHOD	RESULTS
Product Code		540940
Operating Temperature, °C		
Minimum		-30
Maximum		150
ISO Viscosity Grade Base Oil Equivalent		100
Base Oil Viscosity, Kinematic		
cSt @ 40°C	ASTM D445	110.9
cSt @ 100°C	ASTM D445	11.96
Thickener Type		Synthetic Polyurea
Penetration, at 25°C Worked (60 strokes)	ASTM D217	282
Dropping Point, °C	ASTM D2265	255
Corrosion Preventive Properties	ASTM D5969	Pass
Thickener (Polyurea), m%		6.3
Color		Dark Green

ENVIRONMENT, HEALTH, and SAFETY. Information is available on this product in the Material Safety Data Sheet (MSDS) and Customer Safety Guide. Customers are encouraged to review this information, follow precautions, and comply with laws and regulations concerning product use and disposal. To obtain a MSDS for this product, visit the Product Information Center.

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