

Technical Data



Performance you can trust

SAPPHIRE HI-TEMP

High Temperature Grease

Description

Sapphire Hi-Temp (2) is a bearing grease designed for the effective lubrication and protection of bearings operating at elevated temperatures.

Sapphire Hi-Temp is based on synthetic oil and therefore, unlike mineral oil based greases will not carbonise at elevated temperatures or form abrasive carbon deposits.

Areas of application

- Kiln car bearings
- Overhead conveyor bearings on powder coating lines
- Plain bearings
- Ball and roller bearings

Features

- Long term lubrication at elevated temperatures
- Synthetic base eliminates carbonising
- Protects against corrosion
- High load carrying capacity
- Wide operating temperature range -40°C to 200°C
- MAF Approved C11 (Fish Game Meat) and Dairy Industry, Food Areas (no contact)

The information contained in this Technical Bulletin is as up to date and correct as possible as at the time of issue. The data provided should be used as a guide only as the performance of the product will vary depending on differing operating conditions and application methods.

The sale of any product described in this Technical Bulletin will be in accordance with ITW Polymers & Fluids Conditions Of Sale, a copy of which is available on request. To the extent permitted by law, ITW Polymers & Fluids excludes all other warranties in relation to this product.

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	Test Method
Appearance	Smooth beige grease
Thickener.....	Lithium Complex
NLGI Classification.....	2
Worked Penetration (mm X 10 ⁻¹)	265-295
Base Fluid Type	Synthetic Hydrocarbon
Drop Point (°C).....	230
'4 Ball'	
Weld Load (kg).....	200
Load Wear Index (kg).....	35
Copper Corrosion Test.....	1B
Temperature Range (continuous)	-40°C to 200°C
Max. Temperature for Short Periods....	230°C

Directions for use

Sapphire Hi-Temp may be applied either manually or by a suitable applicator, such as an air or manually operated grease gun.

Sapphire Hi-Temp is compatible with most other soap-thickened greases.

However, for best results bearings should be cleaned or purged of the previous lubricant prior to use.

Storage and Shelf Life

Store in dry conditions between 10°C and 30°C, away from sources of heat and naked flames. Protect from frost. When stored in original sealed containers, the minimum shelf life is four (4) years.

Packaging

Sapphire Hi-Temp is available in 450g and 20 kg sizes.

Ordering Information:

450g cartridge	#RY424001
20kg pail	#RY424002

Health & Safety Information

The product is non-hazardous. A Material Safety Data Sheet is available from the ITW Polymers & Fluids Technical Department upon request or available on our website www.rocol.com.au.

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