

Technical Data



Performance you can trust

SAPPHIRE ULTRAPLEX

Multi-Purpose Bearing Grease

Description

Sapphire Ultraplex (Ultra) is a multifunctional lithium complex based bearing grease suitable for use over a wide range of applications.

Sapphire Ultraplex can be used for complete plant lubrication on both anti friction and plain bearings operating in harsh conditions such as high loads, wet and dusty environments

Areas of application

- Electric motor bearings
- Conveyor roller bearings
- Pump bearings
- Crushing and screening plants
- Automotive wheel bearings
- General plant greasing

Features

- Extends lubrication periods
- Good adhesive properties
- High load carrying capacity
- Temperature range up to 180°C continuous and 200°C intermittently
- NZFSA Approved C13 (All animal product except dairy)

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	Green grease
Thickener.....	Lithium Complex
NLGI Classification.....	2
Worked Penetration (mm X 10 ⁻¹)	265-295
Base Fluid Type	Mineral Oil
Base Oil Viscosity at 40°C (cst)	150
Drop Point (°C).....	230
'4 Ball'	
Weld Load (kg).....	400
Wear Scar (mm).....	0.45
Timken 'OK' Load.....	20
Copper Corrosion Test.....	A1
Corrosion Resistance	PASS
Water Washout Test (%) at 79°C.....	4
Temperature Range (continuous)	-30°C to 180 °C
Max. Temperature for Short Periods....	200°C

Directions for use

Sapphire Ultraplex may be applied either manually or by automatic greasing systems designed to pump an N.L.G.I No.2 grease.

Sapphire Ultraplex 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 Ultraplex is available in 450g, 2.5 kg and 20 kg sizes.

Ordering Information:

450g cartridge	#RY424851
2.5kg grease tin	#RY424853
20kg pail	#RY424854

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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