

Technical Data

SAPPHIRE® Hi-Load 2

Long Life Multi Purpose Bearing Grease With MoS2

Description

ROCOL® Hi-Load 2 is a heavy duty bearing greases containing molybdenum disulphide that has been designed for the effective lubrication and protection of ball, roller and plain bearings used in extreme environments.

SAPPHIRE Hi-Load 2 combines the triple life performance of SAPPHIRE 2 with the addition of molybdenum disulphide ensuring that a lubricating film exists under the most extreme loadings where the grease film can be squeezed out.

Applications / Industries

- Ball Bearings
- Roller Bearings
- Plain Bearings
- Thrust Bearings
- Presses
- Crushers
- Heavy Industry
- Quarries
- Docks and Ports
- Film Stretching
- Construction

Approvals

Volvo Constructions Equipment

Bruckner Maschinenbau – Approved for use on plastic film stretching machines

Siemens – approved for use on switchgear – IC SI/I/520

Features & Benefits

- Offers an excellent wide temperature range of -30°C to +150°C
- Provides outstanding load carrying capability / EP performance
- Highly resistant to oxidation providing greatly extended lubrication intervals – typically 3 times longer than conventional lubricants.
- Molybdenum disulphide (MoS2) has an affinity to metal surfaces leaving a tenacious high load carrying film with a low coefficient of friction.
- Extremely durable, reducing frictional heat and wear and extending component life and lubrication intervals
- Ideal for shock loads and vibration
- Excellent corrosion resistance protecting in humid, wet conditions.
- Revolutionary multi-complex soap technology offering superior performance
- Highly tenacious lubricants, with outstanding film strength, ensure the lubricants remain in place even in severe operating conditions.

Directions For Use

SAPPHIRE Hi-Load 2 can be applied manually, by a grease gun or keg pump. For best practice the storage temperature should be kept between 0°C and 40°C. Shelf life is 3 years from date of manufacture.

Further Information

For pack sizes, part codes and safety data sheets please visit www.rocol.com or get in touch with our customer service team who will be happy to help: customer.service@rocol.com

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Property	Test Method	Result
Appearance	Visual	Smooth blue/black grease
NLGI No.	IP 50 – ASTM D217	2
Base Type	N/A	Severely refined mineral oil
Base Fluid Viscosity at 40°C	IP 71	180cSt
Base Fluid Viscosity at 100°C	IP 71	17cSt
Thickener	N/A	Multi complex soap technology
Solids	N/A	Molybdenum disulphide
Temperature Range	N/A	-30°C to +150°C
4-Ball:		
Weld Load	IP 239 – ASTM D2596	>800kg
Mean Hertz Load	IP 239 – ASTM D2596	144kg
Timken 'OK' Load	IP 326 – ASTM D2509	70 lb
Water Washout Test	IP 215 - ASTM D1264	2%
Emcor Corrosion Test	IP 220	0:0
Copper Corrosion Test	IP 112 – ASTM D130	1a

Values quoted above are typical and do not constitute a specification.

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