ROCOL®

Performance you can trust

Technical Data

SAPPHIRE® 1

Triple Life Multi Purpose Grease

Description

ROCOL® SAPPHIRE 1 is a heavy-duty bearing grease designed for effective lubrication and protection of all types of ball, roller and plain bearings.

SAPPHIRE 1 is a soft bearing grease ideal for applying by grease gun but offers easier pumpability so is also suited to remote pipework.

SAPPHIRE 1 is particularly suited to heavily loaded applications. It has a weld load of 800kg which is the highest possible result that can be achieved.

Applications / Industries

- Ball Bearings
- Roller Bearings
- Plain Bearings
- Thrust Bearings
- Manufacturing
- Heavy Industry
- Docks and Ports
- Rail
- Automotive

Features & Benefits

- Offers an excellent wide temperature range of -30°C to +160°C
- Provides outstanding load carrying capability / EP performance
- Highly resistant to oxidation providing greatly extended lubrication intervals – typically 3 times longer than conventional lubricants.
- 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.
- Maintains integrity in extreme conditions and continue to protect over extended lubrication intervals, reducing equipment failure, downtime and lubricant usage.
- Blue in colour for high visibility in use.

Directions For Use

SAPPHIRE 1 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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bsi. ISO 9001 Quality Management FM 12448 | AS/EN 9100 Series Aerospace FM 667905 | ISO 14001 Environmental Management EMS 67596 | OHSAS 18001 Occupational Health and Safety Management OHS 78173

INVESTORS IN PEOPLE

SAPPHIRE® 1

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Property	Test Method	Result
Appearance	Visual	Smooth blue grease
NLGI No.	IP 50 – ASTM D217	1
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
Temperature Range	N/A	-30°C to +160°C
4-Ball Weld Load	IP239 – ASTM D2596	>800kg
Mean Hertz Load	IP239 – ASTM D2596	120kg
Timken 'OK' Load	IP 326 – ASTM D2509	60 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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