

Technical Data

SAPPHIRE® Advance 2

Multi-purpose EP bearing grease fortified with PTFE for maximum bearing life

Description

ROCOL® SAPPHIRE Advance 2 high performance bearing grease is designed for the effective lubrication and protection of all types of ball, roller and plain bearings.

SAPPHIRE Advance 2 is a truly multi-purpose grease, fortified with PTFE, for an extensive range of applications particularly high speeds such as electric motors and fan bearings.

Applications / Industries

- Ball Bearings
- Roller Bearings
- Linear Bearing
- Motor Bearings
- Fan Bearings
- Wheel Bearings
- Conveyors
- Robots
- Palletisers
- Manufacturing
- Heavy Industry
- Docks and Ports
- Rail
- Automotive

Features & Benefits

- Offers an excellent wide temperature range of -30°C to +160°C
- Outstanding high speed performance
- Provides outstanding load carrying capability / EP performance
- Highly resistant to oxidation providing greatly extended lubrication intervals
- Excellent corrosion resistance protecting in humid and wet conditions.
- Fortified with PTFE
- Reduces stick-slip ensuring smooth controlled movement.
- 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.

Directions For Use

SAPPHIRE Advance 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 brown grease
NLGI No.	IP 50 – ASTM D217	2
Base Type	N/A	Severely refined mineral oil
Base Fluid Viscosity at 40°C	IP71 – ASTM D445	145cSt
Base Fluid Viscosity at 100°C	IP71 – ASTM D445	15cSt
Thickener	N/A	Lithium complex soap
Solids	N/A	PTFE
Temperature Range	N/A	-30°C to +160°C
4-Ball Weld Load	IP 239 – ASTM D2596	560kg
4-Ball Mean Hertz Load	IP 239 – ASTM D2596	93kg
Water Washout Test	IP 215 – ASTM D1264	<2%
Copper Corrosion Test	IP 112 – ASTM D130	1b

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

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