

# 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](http://www.rocol.com) or get in touch with our customer service team who will be happy to help: [customer.service@rocol.com](mailto: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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