

Technical Data



Performance you can trust

SAPPHIRE® Spray Grease

Multi-purpose EP grease fortified with PTFE in an aerosol

Product Overview

ROCOL® SAPPHIRE Spray Grease is a high performance aerosol applied grease designed for the effective lubrication and protection of all types of bearings, slides, bushes, linkages and pins.

SAPPHIRE Spray Grease is a truly multi-purpose grease, fortified with PTFE, for an extensive range of applications including low temperatures, high temperatures and high speed. It also makes an ideal electrical contact grease.

SAPPHIRE Spray Grease is SAPPHIRE Premier in an aerosol can.

Features and Benefits

- Excellent extreme temperature resistance – ranging from -50°C to +200°C.
- Excellent low temperature performance ensures components are protected even on equipment working constantly in extreme sub-zero conditions.
- Lithium complex soap technology and EP additives, including PTFE, provides outstanding high load.
- Fully synthetic base oil leaves minimal residues providing long life even at elevated temperatures.
- SAPPHIRE Spray Grease is highly resistant to oxidation, providing extended lubrication intervals whilst reducing equipment failure, downtime and lubricant usage.
- Excellent corrosion resistance to protect in humid, damp and even wet conditions.
- PTFE has an extremely low coefficient of friction and its inclusion in SAPPHIRE Spray Grease reduces stick-slip on start up ensuring a smooth controlled movement.

Directions for Storage and Use

- Shake the can well before use.
- Hold can upright and apply from a distance of 15-30 cm (6-12 inches).
- Check compatibility with painted or coated surfaces, plastics and rubbers if the product is liable to contact these materials.
- The storage temperature should be kept below +50°C, and the storage area should be out of direct sunlight.
- Shelf life is 5 years from date of manufacture.

Typical Applications

SAPPHIRE Spray Grease is designed for all types of bearings, slides, guides, bushes, linkages and pins. Particularly suitable for high speed bearings and those subjected to extremes of temperature.

SAPPHIRE Spray Grease is ideal for all industries where a truly versatile high performance lubricant in aerosol form is required such as Injection moulding, wood and composite manufacture, marine, docks, agriculture, construction, textile, brick and tile works and most other industries

SAPPHIRE Spray Grease excels in applications when the convenience of aerosol application is required such as robots, packaging and mechanical handling equipment, and similar applications where bearings, pins, guides, bushes, slides etc. require lubricating with a high performance grease.

Pack Sizes

Pack Size	Part Code
400ml	34305

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ROCOL A division of [ITW Ltd](http://ITWLtd.com)



BS EN ISO 9001
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Property	Test Method	Result
Appearance	Visual	Thin, light beige greasy film
NLGI No.	IP 50 – ASTM D217	2
Base Type	N/A	Synthetic hydrocarbon fluid
Base Fluid Viscosity at 40°C	IP 71	48cSt
Base Fluid Viscosity at 100°C	IP 71	8cSt
Thickener	N/A	Lithium complex soap
Solids	N/A	PTFE
Propellant	N/A	Hydrocarbon
Solvent	N/A	Isoparaffinic hydrocarbon
Temperature Range	N/A	-50°C to +200°C
4-Ball Weld Load	IP 239 – ASTM D2596	355kg
4-ball Mean Hertz Load	IP 239 – ASTM D2596	68kg
Evaporation Loss at 175°C	IP 183 – ASTM D972	4.1%
Copper Corrosion Test	IP 112 – ASTM D130	1b

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

Safety Data Sheets

Safety data sheets are available for download from our website www.rocol.com or may be obtained from your usual ROCOL contact.

The information in this publication is based on our experience and reports from customers. There are many factors outside our control or knowledge which affect the use and performance of our products, for which reason it is given without responsibility.

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