**ROCOL®**

Performance you can trust

# SAPPHIRE® Advance 2

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

### Product Overview

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.

### Features and Benefits

- Excellent extreme temperature resistance – ranging from -30°C to +160°C.

- Lithium complex soap technology and EP additives, including PTFE, provides an outstanding high load, EP performance of 560kg that is superior to standard soap thickened lubricants.

- SAPPHIRE Advance 2 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.

- Outstanding high speed performance for most applications found in industry.

- PTFE has an extremely low coefficient of friction and its inclusion in SAPPHIRE Advance 2 reduces stick-slip on start up ensuring a smooth controlled movement.

### Directions for Storage and Use

- SAPPHIRE Advance 2 can be applied manually, by grease gun, keg pump or by other methods suitable for an NLGI No. 2 grease.

- Compatible with other soap thickened greases. However, for best results the previous lubricant should be removed prior to application.

- The storage temperature should be controlled between +1°C and +40°C.

- Shelf life is 3 years from date of manufacture.

### Typical Applications

SAPPHIRE Advance 2 is designed for all types of ball, roller and plain bearings found in all types of industrial applications. Particularly suitable for high speed bearings and high load conditions.

SAPPHIRE Advance 2 is ideal for all industries where a truly versatile high performance lubricant is required such as steelworks, water treatment, quarries, mining, marine, docks, agriculture, construction, textile, brick and tile works and most other industries.

SAPPHIRE Advance 2 excels in applications such as electric motors, oven and refrigeration fans, robots, mechanical handling, palletisers and similar applications where bearings, pins, bushes, slides etc. are subjected to extreme conditions.

### Pack Sizes

| Pack Size | Part Code |
|---|---|
| 380g cartridge | 12441 |
| 4kg | 12444 |
| 18kg | 12446 |

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BSI
BS EN ISO 9001
Certificate No. FM 12448

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Certificate No. EMS 67596

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

| 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.

## 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.

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