

Technical Data



Performance you can trust

AEROSPEC® 400

Wide temperature range, multi-purpose, EP aerospace grease

Product Overview

ROCOL® AEROSPEC 400 is a high-performance aerospace grease designed to give outstanding operational performance on a wide range of components including anti-friction bearings, plain bearings, gearboxes, and other mechanisms over a wide temperature range.

ROCOL AEROSPEC 400 is a truly multi-purpose aerospace grease for an extensive range of applications including low temperatures, high temperatures and high loads.

Features and Benefits

- Temperature range from -54°C to +175°C ensures components are protected even on equipment working constantly in extreme sub-zero conditions.
- Lithium complex soap technology and EP additives provides outstanding high load performance.
- Fully synthetic base oil leaves minimal residues providing long life even at elevated temperatures.
- Rocol AEROSPEC 400 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.
- Rocol AEROSPEC 400 has extremely low start up and running torques even at temperatures down to -54°C.

Directions for Storage and Use

- Rocol AEROSPEC 400 can be applied manually, by grease gun, keg pump or by other methods suitable for an NLGI No. 2 grease.
- Ensure all components are clean and free from any contaminants.
- It is recommended that the previous lubricant should be cleaned out prior to filling with Rocol AEROSPEC 400.
- The storage temperature should be controlled between +1°C and +40°C.
- Shelf life is 3 years from date of manufacture.

Specifications

Rocol AEROSPEC 400 is approved for use on:

- Boeing to MMS 657
- Airbus to 09-06-003
- Airbus Helicopters to ECS 7242-4314

Rocol AEROSPEC 400 meets the requirements of:

- SAE AMS 3058
- Airbus CML No. 03GCC1
- Joint Services Designation - XG-294
- Def Stan - 91-106/2
- NATO Code - G-1352
- NATO Stock No 9150 99 855-1324 (450g)
- NATO Stock No 9150 99 376-9100 (12.5kg)

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FM 12448



EMS 67596



OHS 78173



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Property	Test Method	Result
Appearance	Visual	Smooth beige grease
NLGI No.	IP 50 – ASTM D217	2
Base Type	N/A	Synthetic fluid
Base Fluid Viscosity at 40°C	IP 71	50cSt
Base Fluid Viscosity at 100°C	IP 71	8cSt
Thickener	N/A	Lithium complex soap
Temperature Range	N/A	-54°C to +175°C
Drop Point	IP 132	280°C minimum
4-Ball:		
Weld Load	IP 239 – ASTM D2596	620kg
Mean Hertz Load	IP 239 – ASTM D2596	68kg
Low temperature torque (-54°C with 10% water)		
Starting Torque	ASTM D1478	0.64Nm
Running Torque	ASTM D1478	0.23Nm
Copper Corrosion Test (24hrs at 100°C)	IP 112 – ASTM D130	Pass
Water Washout (79°C)	IP 215	4.1%

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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