

AEROSPEC® 3052

Multi-purpose, extreme low temperature aerospace grease

Product Overview

ROCOL® AEROSPEC 3052 is an extremely low temperature aerospace grease. Designed to give outstanding operational performance on a wide range of airframe components, including bearings, rotary actuators, gearboxes, bushes and sliding surfaces, even where high loads are encountered.

ROCOL AEROSPEC 3052 demonstrates excellent low temperature performance with extremely low starting and running torque figures.

ROCOL AEROSPEC 3052 provides excellent performance in the presence of water.

Features and Benefits

- ROCOL AEROSPEC 3052 offers excellent performance in extreme temperatures ranging from -73°C to +120°C.
- ROCOL AEROSPEC 3052 is a Lithium complex soap thickened lubricant with a blend of low viscosity synthetic base fluids for excellent low temperature performance.
- ROCOL AEROSPEC 3052 provides exceptional stability in the most extreme conditions.
- ROCOL AEROSPEC 3052 is highly resistant to water washout.

Directions for Storage and Use

- Ensure all components are clean and free from any contaminants before lubricating with AEROSPEC 3052.
- It is recommended that previous lubricants are cleaned out of the equipment prior to filling with AEROSPEC 3052.
- AEROSPEC 3052 can be applied manually, by grease gun, keg pump or by other methods suitable for an NLGI No. 2 grease.
- The storage temperature should be controlled to between +1 and +40°C.
- Shelf life is 3 years from date of manufacture.

Specifications

AEROSPEC 3052 is approved to:

- JSD XG 287
- NATO G-354
- SAE AMS 3052
- Boeing BMS 3-33B
- DEF-STAN 91-53/3
- Airbus AIM 09-06-002 general airframe lubricant
- Airbus CML No. 03GBC1
- AIMS 09-06-002

Pack Sizes

Pack Size	Part Code
380g	16651
3kg	16658
18kg	16654

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Property	Test Method	Result
Appearance	N/A	Smooth green grease
Base Fluid Type	N/A	Blend of synthetic oils
Viscosity at 40°C	IP 71	8.6cSt
Viscosity at 100°C	IP 71	2.5cSt
Thickener	N/A	Lithium complex soap
NLGI No.	IP 50, ASTM D217	1-2
Temperature Range	N/A	-73°C to +120°C
Drop Point	IP 396	>200°C
Copper Corrosion	IP 112 – ASTM D130	Pass (24 hours at 100°C)
Water Washout	IP 215	7.5%
Emcor Rating	IP 220	0 : 0
Mean Hertz Load	IP 239	84kg
Oxidation Stability:		
Pressure Drop after 100 hrs	IP 142	4psi
Pressure Drop after 500 hrs	IP 142	11psi
Low Temp Torque Test:		
Starting Torque at -73°C	IP 186	190mNm
Running Torque at -73°C	IP 186	130mNm
MoD Pope Rig Test 900 hrs at 120°C	ASTM D3336	Pass

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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