

# Technical Data



Performance you can trust

## AEROSPEC® 3052

**Multi-purpose, extreme low temperature aerospace grease**

### Product Overview

ROCOL® AEROSPEC 3052 is new generation, high performance universal airframe grease. Designed to give outstanding operational performance on a wide range of airframe components, including bearings, rotary actuators, gearboxes, bushes and sliding surfaces where high loads are encountered.

AEROSPEC 3052 extends component life by reducing frictional wear and its excellent corrosion resistance.

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

### 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.
- Although AEROSPEC 3052 is compatible with all other BMS3-33 approved products, for ultimate performance it is recommended that previous lubricants are cleaned out of the equipment or components prior to lubrication.
- 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 5 years from date of manufacture

### Specifications

AEROSPEC 3052 is approved to:

- SAE AMS 3052
- BOEING BMS 3-33
- JSD XG 287
- NATO G-354
- DEF-STAN 91-53/3
- MIL-PRF-23827C (DEF STAN 01-5)
- AIRBUS AIMS 09-06-002 general airframe lubricant
- AIRBUS CML No. 03GBC1

### 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
<b>Appearance</b>	N/A	<b>Smooth green grease</b>
<b>Base Fluid Type</b>	N/A	<b>Blend of synthetic oils</b>
<b>Viscosity at 40°C</b>	IP 71	<b>8.6cSt</b>
<b>Viscosity at 100°C</b>	IP 71	<b>2.5cSt</b>
<b>Thickener</b>	N/A	<b>Lithium complex soap</b>
<b>NLGI No.</b>	IP 50, ASTM D217	<b>1-2</b>
<b>Temperature Range</b>	N/A	<b>-73°C to +120°C</b>
<b>Drop Point</b>	IP 396	<b>&gt;200°C</b>
<b>Copper Corrosion</b>	IP 112 – ASTM D130	<b>Pass (24 hours at 100°C)</b>
<b>Water Washout</b>	IP 215	<b>5.5%</b>
<b>Emcor Rating</b>	IP 220	<b>0 : 0</b>
<b>Mean Hertz Load</b>	IP 239	<b>84kg</b>
<b>Oxidation Stability:</b>		
<b>Pressure Drop after 100 hrs</b>	IP 142	<b>4psi</b>
<b>Pressure Drop after 500 hrs</b>	IP 142	<b>11psi</b>
<b>Low Temp Torque Test:</b>		
<b>Starting Torque at -73°C</b>	IP 186	<b>190mNm</b>
<b>Running Torque at -73°C</b>	IP 186	<b>130mNm</b>
<b>MoD Pope Rig Test 900 hrs at 120°C</b>	ASTM D3336	<b>Pass</b>

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](http://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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