

AEROSPEC® 533

Extreme low temperature silicone grease

Product Overview

ROCOL® AEROSPEC 533 is an extremely low temperature silicone grease.

ROCOL AEROSPEC 533 is designed to be widely used in pneumatic systems found in ships and aircraft, also guided weapons and automotive applications.

ROCOL AEROSPEC 533 is compatible with most plastics and rubbers (excluding silicone rubbers).

ROCOL AEROSPEC 533 demonstrates outstanding low temperature performance.

ROCOL AEROSPEC 533 provides excellent performance in the presence of water.

Features and Benefits

- ROCOL AEROSPEC 533 offers excellent performance in extreme temperatures ranging from -73°C to +150°C.
- ROCOL AEROSPEC 533 is a Lithium complex soap thickened lubricant with a silicone base fluid for excellent low temperature performance.
- ROCOL AEROSPEC 533 is compatible with most rubbers and plastics (excluding silicone rubber).
- ROCOL AEROSPEC 533 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 533.
- It is recommended that previous lubricants are cleaned out of the equipment prior to filling with AEROSPEC 533.
- AEROSPEC 533 can be applied manually, by grease gun, keg pump or by other methods suitable for an NLGI No. 2 grease.
- Applicators must be suitable for dispensing silicone greases.
- The storage temperature should be controlled to between +1 and +40°C.
- Shelf life is 3 years from date of manufacture.

Specifications

AEROSPEC 533 is approved to:

- DEF STAN 91-56/3
- JSD XG 315
- NATO G-394

Pack Sizes

Pack Size	Part Code
75g	16641
1kg	16644

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Property	Test Method	Result
Appearance	N/A	Smooth light grey grease
Base Fluid Type	N/A	Silicone
Viscosity at 40°C	IP 71	36cSt
Viscosity at 100°C	IP 71	14cSt
Thickener	N/A	Lithium complex soap
NLGI No.	IP 50, ASTM D217	2
Temperature Range	N/A	-73°C to +150°C
Oil separation 168 hrs at 40°C	IP121	1.9%
Copper Corrosion	IP 112 – ASTM D130	Pass (24 hours at 100°C)
Evaporation loss 22hrs at 150°C	IP 215	4.5%
Oxidation Stability:		
Pressure Drop after 100hrs at 100°C	IP 142	7Kpa
Low Temp Torque Test:		
Starting Torque at -73°C	IP 186	62.5mNm
Running Torque at -73°C (1 hour)	IP 186	25.7mNm

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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