

## ROCOL® MX33 (DTD900/4630A & AFS1105)

### Low temperature silicone grease containing molybdenum disulphide

#### Product Overview

ROCOL® MX33 is an extreme low temperature silicone grease containing molybdenum disulphide for enhanced load and wear performance.

ROCOL MX33 has been specially developed for use on highly loaded components where temperatures as low as -73°C are encountered.

This high performance lubricant is designed for the effective lubrication and protection of all types of ball, roller and plain bearings, slides guides, pins etc.

#### Features and Benefits

- ROCOL MX33 has an excellent, extreme temperature resistance from -73°C to +150°C.
- ROCOL MX33 is extremely good for applications where high loads, shock and vibration may be experienced.
- ROCOL MX33 has excellent Extreme Pressure (EP) properties with a weld load of 280 kg.
- ROCOL MX33 has excellent water resistance and is highly resistant to water wash-out.
- ROCOL MX33 does not affect most rubbers and plastics; however it is not compatible with silicone rubbers.
- ROCOL MX33 is highly resistant to oxidation, providing extended lubrication intervals whilst reducing equipment failure, downtime and lubricant usage.

#### Directions for Storage and Use

- Apply ROCOL MX33 manually or with an applicator capable of handling NLGI No.2 silicone greases.
- Compatible with most other silicone greases, however, it is recommended that equipment is clean and purged of all previous lubricants before applying ROCOL MX 33.
- The storage temperature should be controlled between +1°C and +40°C
- Shelf life is 3 years from date of manufacture.

#### Typical Applications

ROCOL MX33 is designed for all types of ball, roller and plain bearings, slides guides, pins etc found in all types of applications.

ROCOL MX33 is particularly suitable for extreme low temperature performance in automotive, aerospace and other military applications.

The silicone base of ROCOL MX33 makes it an ideal lubricant for most metal, rubbers and plastics.

ROCOL MX33 specifications:

- DTD900/4630A & AFS1105
- Airbus CML No. 03JCG1

#### Pack Sizes

Pack Size	Part Code
50g	16070

## ROCOL® MX33 (DTD900/4630A & AFS1105)

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Property	Test Method	Result
Appearance	Visual	Smooth blue/black grease
NLGI No.	IP 50 – ASTM D217	1/2
Base Type	N/A	Silicone
Base Fluid Viscosity at 40°C	IP 71	36cSt
Base Fluid Viscosity at 100°C	IP 71	14cSt
Thickener	N/A	Lithium soap
Solids	N/A	Molybdenum disulphide
Temperature Range	N/A	-73°C to +150°C
4-Ball Weld Load	IP 239 – ASTM D2596	280kg
4-Ball Mean Hertz Load	N/A	31kg
Water Washout Test	IP 215 – ASTM D1264	0%
Copper Corrosion Test	IP 112 – ASTM D130	No stain
Aluminium Corrosion Test	24hrs @ 100°C	No stain
Oil Separation - 24hrs @ 100°C	IP 121	3%
Emcor Corrosion Test	IP 220	3
Static Heat Stability Test	28 days @ 150°C	2% max. oil separation
Static Heat Stability Test	28 days @ 150°C	5% max. evaporation

Values quoted above are typical and do not constitute a specification.

### Safety Data Sheets

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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# Technical Data



## Performance you can trust

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.

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