Technical Datasheet

Performance you can trust

Dry Moly Fluid

Resin-Bonded Dry Film of Molybdenum Disulphide

Summary

ROCOL® Dry Moly Spray provides a very high content molybdenum disulphide (MoS_2) film. It is designed to lubricate sliding mechanisms such as plain bearings, pins, cams and slides where a wet lubricant cannot be tolerated.

Molybdenum disulphide is a great lubricator and very resistant to high loads.

For other similar MoS_2-containing lubricants, consider Dry Moly Paste and aerosol Dry Moly Spray.

Features and Benefits

- Outstanding wide temperature range -50°C to +450°C
- Dry Film lubricant resists pick up of contaminants such as dust and debris etc
- Resists pick up and galling at high load
- Excellent wear resistance
- Eases dismantling of assemblies

Applications

- Lubrication of: Plain Bearings, Slides, Pins, Cams, Chains etc.
- Fretting Resistance For: Splines, Keyways, etc.
- Assembly of interference fitted components
- Anti-Seize and Assembly lubrication
- Running-in of gear contacts

Usage Guidance

Optimised for dip, spray or brush application.

Ensure surfaces to be treated are clean, dry and free from oil, grease or dirt contamination.

Highly flammable product - use only in well ventilated areas and ensure there are no sources of ignition.

Keep Dry Moly Fluid well agitated.

Adhesion can be improved by heat curing, dry in a suitable oven at 80°C – 100°C for 30 mins and allow to cool, or cure for 3 hours at ambient (20°C).

The cured film can be improved by lightly burnishing with a lint free cloth.

Storage Guidance

Storage temperature should be kept below 50°C and kept out of direct sunlight.

Shelf life is 2 years from date of manufacture.

Approvals and Certifications

NATO Stock numbers – 9150992826734
NAVAL Catalogue number - 4752826734

Pack Sizes

Part Code	Pack Size
10205	5l

T +44 (0) 113 232 2600
E customer.service@rocol.com

www.rocol.com

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ROCOL A Division of ITW Limited
ROCOL House, Swillington, Leeds, LS26 8BS, UK
VAT Number: 742053167
Registered Company No: 00559693
Registered Office: Saxon House, 2-4 Victoria Street, Windsor, England, SL4 1EN

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Parameter	Test Method	Value
Appearance	Visual	Thin blue-black applied film
Solids	N/A	Molybdenum disulphide
Binder	N/A	Organic resin
Solvent	N/A	Acetone/alcohol blend
Drying Times:		
Touch Dry	N/A	2-3 minutes
Full Cure at 20°C	N/A	Approximately 3 hours
Full Cure at 80°C – 100°C	N/A	30 mins in oven, then allow to cool
Temperature Range (applied film)	N/A	-50°C to +450°C
Approximate Coverage	N/A	8m^2/l
Resistance of Resin Bonding Agent in Applied Film	N/A	Soluble in hot oil and come common solvents

Safety Datasheets

These are available at https://www.rocol.com/datasheets. For further assistance, please contact us via the ROCOL website or using the details below.

Note

The information in this Technical Datasheet is informed by our experience and feedback from industry. There are many variables outside our control or knowledge which affect the use and performance of our products, for which reason it is given without responsibility. Values quoted are typical and do not constitute a specification.

If you'd like to discuss the suitability of any ROCOL solution for your system, please get in touch.

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