

AS Powder

Dry film coating of molybdenum disulphide

Product Overview

ROCOL® AS Powder is a completely dry, high performance, molybdenum disulphide powder.

ROCOL AS Powder is designed to lubricate sliding mechanisms such as plain bearings, pins, cams and slides where a wet lubricant cannot be tolerated.

Molybdenum disulphide dry film coatings are also available as follows:

- Paste form – Dry Moly Paste
- Aerosol form – Dry Moly Spray
- Solvent based liquid form – Dry Moly Fluid.

Typical Applications

- ROCOL AS Powder is ideal for rumbling/tumbling small assemblies and mechanisms to apply a coating of molybdenum disulphide where application to each individual component is not practical.

Features and Benefits

- ROCOL AS Powder has an extremely wide temperature range of -270°C to +450°C.
- ROCOL AS Powder can be used where wet films cannot be tolerated due to its dry film lubrication that resists pick up of contaminants.
- ROCOL AS Powder prevents galling, pick-up and seizure.
- ROCOL AS Powder is resistant to high loads (up to 7,000 kg/cm²).

Directions for Storage and Use

- Ensure surfaces to be treated are clean, dry and free from oil, grease or dirt contamination.
- Apply a thin even coating of ROCOL AS Powder by rumbling/tumbling or rubbing onto the surface with a lint free cloth.
- The applied film can be improved by lightly burnishing with a lint free cloth.
- Examine for untreated areas and reapply if necessary.
- For surfaces requiring a high degree of corrosion resistance it is advisable to apply to an anodised or phosphated surface.
- The storage temperature of ROCOL AS Powder should be controlled between +1°C and +40°C.
- Shelf life is 4 years from date of manufacture.

Specifications

ROCOL AS Powder meets the following specifications:

- Joint Services Designation - ZX35
- Def Stan - 68-62/2
- NATO Code - S-740
- NATO Stock Number - 6810-99-220-5785

Pack Sizes

Pack Size	Part Code
500g	06023

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Property	Result
Appearance	Thin blue-black applied film
Solids	Molybdenum disulphide
Temperature Range	-270°C to +450°C
Coefficient of Friction	ca 0.04
Maximum Normal Pressure	7,000 kg/cm ² (100,000psi)
Reaction in Gases	Inert except in fluorine & heating in chlorine
Reaction in Solvents	Inert
Reaction in Water	Inert
Reaction in Acids	Inert except in aqua regia, hot concentrated sulphuric acid and hot nitric acid

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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