

# Specialty Lubricants

## MOLYKOTE® M 77 Solid Lubricant Paste

Solid lubricant paste with silicone carrier oil

### FEATURES

- Paste lubrication up to +230°C (+446°F), dry lubrication up to +450°C (+842°F)
- Good water resistance
- Good volatilization properties
- Compatible with many types of elastomers and plastics (test for compatibility)

### COMPOSITION

- Polyphenylmethyl siloxane oil
- Lithium soap
- Molybdenum disulphide

### APPLICATIONS

- Suitable for lubrication points with low to moderate loads and low speeds which are subjected to water and extreme temperatures. At temperatures above 230°C (446°F), the carrier volatilizes leaving virtually no residue, and the remaining dry sliding film itself takes over the lubrication up to +450°C (+842°F).
- Suitable for lubricating parts consisting of materials that are not resistant to mineral oils.
- This product is used successfully on metal/metal combinations with frictional and contact surfaces, brake anchor plates and the brake pistons of disc brakes.

### TYPICAL PROPERTIES

Specification writers: These values are not intended for use in preparing specifications. Please contact your local Dow Corning sales representative prior to writing specifications on this product.

Standard*	Test	Unit	Result
	Color		Black-grey
	<b>Penetration, density, viscosity</b>		
ISO 2137	Unworked penetration	mm/10	280-330
ISO 2811	Density at 20°C (68°F)	g/ml	1.95
DIN 51 562	Base oil viscosity at 25°C (77°F)	mm <sup>2</sup> /s	125
	<b>Temperature</b>		
	Service temperature <sup>1</sup>	°C	-45 to +230 (paste-like) up to +450 (dry)
	Service temperature <sup>1</sup>	°F	-49 to +446 (paste-like) up to +842 (dry)
	<b>Load-carrying capacity, wear protection, service life</b>		
	Four-ball tester		
DIN 51 350 pt.4	Weld load	N	2000

1. Temperature resistance of solid lubricants.

\* DIN: Deutsche Industrie Norm.

ISO: International Standardisation Organisation.

### HOW TO USE

#### How to apply

Clean the contact areas and apply with brush, spatula, grease gun or automatic lubricating device. Can be used in central lubricating systems.

## **HANDLING PRECAUTIONS**

Product safety information required for safe use is not included. Before handling, read product and safety data sheets and container labels for safe use, physical and health hazard information. The material safety data sheet is available on the Dow Corning website at [www.dowcorning.com](http://www.dowcorning.com). You can also obtain a copy from your local Dow Corning sales representative or Distributor or by calling your local Dow Corning Global Connection.

## **USABLE LIFE AND STORAGE**

When stored at or below 20°C (68°F) in the original unopened containers, this product has a usable life of 36 months from the date of production.

## **PACKAGING**

This product is available in different standard container sizes. Detailed container size information should be obtained from your nearest Dow Corning sales office or Dow Corning distributor.

## **LIMITATIONS**

This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

## **HEALTH AND ENVIRONMENTAL INFORMATION**

To support Customers in their product safety needs, Dow Corning has an extensive Product Stewardship organization and a team of Product Safety and Regulatory Compliance (PS&RC) specialists available in each area.

For further information, please see our website, [www.dowcorning.com](http://www.dowcorning.com) or consult your local Dow Corning representative.

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