

# Product Information

## Specialty Lubricants

DOW CORNING

# Molykote<sup>®</sup> 822M Grease

## FEATURES

- Wide service temperature range
- Superior oxidation stability, chemical resistance, and shear stability
- Compatible with most plastics and rubbers

## COMPOSITION

- Silicone oil
- Lithium soap

A grease, phenyl silicone oil thickened with lithium soap, applicable to lubricate elastomers such as EPDM, while maintaining its lubricating properties over a broad service temperature range of -40°C to 200°C.

## APPLICATIONS

- Used in automotive components, etc., due to its superior properties for plastic/metal sliding, rubber/metal sliding, and rubber/plastic sliding.

## TYPICAL PROPERTIES

Specification Writers: These values are not intended for use in preparing specifications. Please contact your local Dow Corning sales office or your Global Dow Corning Connection before writing specifications on this product.

Standard	Parameter	Unit	Value
	Appearance		
JIS K 2220	Penetration (worked 60 times)	mm/ <sup>10</sup>	270
	NLGI class		1 to 2
	Service temperature range	°C	-40 to 200
	Density	g/cm <sup>3</sup>	1.03
JIS K 2220	Drop point	°C	210
SAE AS 8660	Bleed 150°C 24 hours	%	0.2
SAE AS 8660	Evaporation 150°C 24 hours	%	0.5
JIS K 2220	Oxidation resistance (99°C 100 hours)	MPa	0.01
JIS K 2220	Copper corrosion (100°C 24 hours)		1a
ASTM D 2266	Four ball wear scar (1200rpm, 98N, 1 hour)	mm	0.8
JIS K 2220	Low temperature torque test -30°C		
	Starting torque	mN · m	140
	Running torque	mN · m	88
	Low temperature torque test -40°C		
	Starting torque	mN · m	340
	Running torque	mN · m	220
JIS Z 2371	Salt water spray test (after 500 hours)		No corrosion

\*JIS: Japanese Industrial Standard.

ASTM: American Society for Testing and Materials.

SAE: Society of Automotive Engineers.

## HOW TO USE

Clean points of application. As is usual with lubricating greases, apply or fill by means of a brush, spatula, or automatic lubrication device.

## HANDLING PRECAUTIONS

Molykote<sup>®</sup> 822M Greasemay irritate the skin or eyes. Wear safety equipment as necessary when handling this product.

In the event of contact with skin or eyes, immediately rinse thoroughly with water and seek medical care if necessary. Wash hands thoroughly after handling.

## **USABLE LIFE AND STORAGE**

When stored, unopened in a cool, dark place this product, has a usable life of 36 months from the date of production.

## **PACKAGING INFORMATION**

This product is available in 1kg cans and 20kg pails.

## **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.molykote.com](http://www.molykote.com) or consult your local Dow Corning representative.

## **LIMITED WARRANTY INFORMATION – PLEASE READ CAREFULLY**

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