



MOLYKOTE[®] 822M Grease

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

Features

- Wide service-temperature range
- Superior oxidation stability, chemical resistance, and shear stability
- Compatible with most plastics and rubbers
- No intentional polytetrafluoroethylene (PTFE) or per- and polyfluoroalkyl substances (PFAS)

Composition

- Silicone oil
- Lithium soap

Applications

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

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[®] 822M Grease may 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.

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. BEFORE HANDLING, READ SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION.

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.

Typical properties

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

Standard ⁽¹⁾	Test	Unit	Result
	Appearance		White/light yellow
JIS K 2220	Penetration (worked 60 times)	mm/10	270
	NLGI class		1 to 2
	Service temperature range	°C	-40 to 200
	Density	g/cm ³	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 D2266	Four ball wear scar (1,200 rpm, 98 N, 1 hour)	mm	0.8
JIS K 2220	Low temperature torque test -30°C		
	Starting torque	mN · m	140
	Running torque	mN · m	88
JIS K 2220	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

⁽¹⁾JIS: Japanese Industrial Standard. ASTM: American Society for Testing and Materials.

Packaging

This product is available in different standard container sizes as shown on **molykote.com**. Detailed container size information should be obtained from your nearest MOLYKOTE® sales office or MOLYKOTE® distributor.

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