

Specialty
Lubricants

MOLYKOTE® 822 M
Silicone Grease

High performance grease for metal/metal, metal/plastic and metal/elastomer combinations

FEATURES

- Low evaporation
- Wide service temperature range
-40°C to +200°C (-40°F to 392°F)
- Good corrosion protection properties
- Compatible with many plastics and elastomers

COMPOSITION

- Silicone oil
- Lithium soap

APPLICATIONS

- Friction combinations with low stresses and low to moderate speeds which have to function over a wide temperature range in a wet or moist atmosphere.
- Used successfully for vehicle servo brakes and seal rings in pneumatic and hydraulic systems.

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		Whitish
	Consistency, density, viscosity		
DIN 51 818	Consistency class, NLGI		Approx. 2
ISO 2137	Worked penetration	mm/10	250-280
	Density at 20°C (68°F)	g/ml	1.03
DIN 51 562	Base oil viscosity at 25°C (77°F)	mm ² /s	400
	Temperature		
	Service temperature range	°C	-40 to +200
		°F	-40 to +392
ASTM-D147880	Low temperature torque test at -40°C (-40°F)		
	Initial break-away torque	Nm	307x10 ⁻³
	Torque after 20 minutes running time	Nm	106x10 ⁻³
	Corrosion protection		
DIN 51 802	SKF-Emcor method - degree of corrosion		0
	Oil separation - evaporation		
DIN 51 817	Standard test	%	1.6
CTM 0033A	Separation 24 hours, 150°C (302°F)	%	0.5

* CTM: Corporate Test Method, copies of CTMs are available on request.

ASTM: American Society for Testing and Materials.

DIN: Deutsche Industrie Norm.

ISO: International Standardisation Organisation.

HOW TO USE

How to apply

Clean the contact areas. As is usual with lubricating greases, apply by means of a brush, spatula, grease-gun or automatic lubrication device. Can be used in central lubrication systems. If fairly lengthy pauses in the work are involved, e.g. overnight, release the pressure from the lubricating system. Do not mix with other greases. Compatibility tests for swelling and shrinkage, stress-crack formation, changes in strength and hardness, should be carried out because of the difference in the qualities of plastics and elastomers.

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. 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 60 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 or consult your local Dow Corning representative.

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