

Product Information Specialty Lubricant

DOW CORNING

Molykote[®] FM1 Grease

FEATURES & BENEFITS

- Wide service temperature
- Good heat resistance
- Good load carrying capability
- Compatible with most plastics
- Corrosion resistance
- Does not contain silicone thereby preventing problems with contact point failures

COMPOSITION

- Perfluoro polyether
- Fluorinated polymer

Low operational torque fluorinated grease

APPLICATIONS

- Automotive engine control parts
- Electrical equipment
- Office equipment

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.

Test*	Property	Unit	Result
	Temperature range	°C	-65–250
JIS K-2220	Penetration (worked 60 strokes)		325
	Base oil viscosity		
	at 40°C	mm ² /s	85
	at 100°C	mm ² /s	22
SAE AS 8660	Bleed (24 hours, 200°C)	%	9.0
SAE AS 8660	Evaporation (24 hours, 200°C)	%	2.6
ASTM D2266	4 ball test, wear scar (1200 rpm, 392 N, 1 hour)	mm	0.90
	JIS K-2220 Low temperature torque (-40°C)		
	Starting torque	mN*m	35
	Running torque	mN*m	29
ASTM D1743	Corrosion resistance (0.1% NaCl water solution, 52°C, 48 hours)		1 no rust

*JIS: Japanese Industrial Standard

SAE: Society of Automotive Engineers

ASTM: American Society for Testing and Materials

DESCRIPTION

Molykote[®] FM1 Grease is specialty grease thickened with Perfluoro polyether and fluorinated powder. Molykote FM1 Grease provides extraordinary performance under extreme conditions with long service life.

HOW TO USE

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

**HANDLING
PRECAUTIONS
PRODUCT SAFETY
INFORMATION REQUIRED FOR
SAFE USE IS NOT INCLUDED IN
THIS DOCUMENT. BEFORE
HANDLING, READ PRODUCT
AND SAFETY DATA SHEETS
AND CONTAINER LABELS FOR
SAFE USE, PHYSICAL AND
HEALTH HAZARD
INFORMATION. THE SAFETY
DATA SHEET IS AVAILABLE ON
THE DOW CORNING WEBSITE
AT DOWCORNING.COM, OR
FROM YOUR DOW CORNING
SALES APPLICATION
ENGINEER, OR DISTRIBUTOR,
OR BY CALLING
DOW CORNING CUSTOMER
SERVICE.**

USABLE LIFE AND STORAGE

When stored at or below 40°C (104°F) in the original unopened containers, this product has a usable life of 1080 days from the date of production.

PACKAGING INFORMATION

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, dowcorning.com or consult your local Dow Corning representative.

LIMITED WARRANTY INFORMATION – PLEASE READ CAREFULLY

The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that our products are safe, effective, and fully satisfactory for the intended end use. Suggestions of use shall not be taken as inducements to infringe any patent.

Dow Corning's sole warranty is that our products will meet the sales specifications in effect at the time of shipment.

Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted.

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