

Product Information

High Performance Lubricants

MOLYKOTE®EM-50L

Grease

FEATURES

- Compatible with most plastics
- Effective in reducing noise from plastic gears
- Long service life
- Low seepage, so it can be used in places wherein cleanliness is required
- Does not contain silicone thereby preventing problems with contact point failures

COMPOSITION

- Poly- α -olefin
- Lithium soap

Lubricating grease developed for plastic components

APPLICATIONS

- Automobiles, electrical appliances, precision equipment, audio equipment, and office equipment that have plastic parts.
- Used as a damper grease to reduce noise in moving parts such as gears.

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		Translucent White
	Base oil viscosity at 40°C	mm ² /s	1050
JIS K 2220	Penetration (worked 60 times)		325
	NLGI class		1
	Service temperature range	°C	-40 to 150
	Density	g/cm ³	0.84
JIS K 2220	Drop point	°C	195
JIS K 2220	Bleed (100°C/24 hours)	%	2.5
JIS K 2220	Evaporation (99°C/22 hours)	%	3.0
JIS K 2220	Oxidation resistance (99°C/100 hours)	MPa	0.02
JIS K 2220	Copper corrosion (100°C 24 hours)		1A
ASTM D 2596	Four ball weld load (1500rpm/1minute)	N	1400
ASTM D 2266	Four ball wear scar (1200rpm, 392N, 1 hour)	mm	0.71
JIS K 2220	Low temperature torque test (-40°C)		
	Starting torque	mNm	290
	Running torque	mNm	140

*JIS: Japanese Industrial Standard.

ASTM: American Society for Testing and Materials.

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

This product 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.

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

This product is available in 1kg cans (10 cans/case) and 16kg 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.dowcorning.com or consult your local Dow Corning representative.

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