

Product Information

High Performance Lubricants

MOLYKOTE®EM-30L

Grease

FEATURES

- Compatible with most plastics
- Can be used for plastic-plastic contact, metal-metal contact and plastic-metal contact
- 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-±-olefin
- Lithium soap
- PTFE, etc.

Lubricating grease developed for plastic components

APPLICATIONS

- Automobiles, electrical appliances, precision equipment, audio equipment, and office equipment that have plastic parts.

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		White
	Base oil viscosity at 40°C	mm ² /s	90
JIS K 2220	Penetration (worked 60 times)		325
	NLGI class		1
	Service temperature range	°C	-45 to 150
	Density	g/cm ³	0.91
JIS K 2220	Drop point	°C	195
JIS K 2220	Bleed (100°C/24 hours)	%	5.0
JIS K 2220	Evaporation (99°C/22 hours)	%	0.4
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	3730
ASTM D 2266	Four ball wear scar (1200rpm, 392N, 1 hour)	mm	0.5
JIS K 2220	Low temperature torque test (-40°C)		
	Starting torque	mNm	110
	Running torque	mNm	51

*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. At high temperatures in excess of 250°C, the breakdown of fluorinated polymer can cause the release of a small amount of toxic gas. Ensure adequate ventilation.

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.

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 Dow Corning's 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 the product will meet the Dow Corning 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.

DOW CORNING SPECIFICALLY DISCLAIMS ANY OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY.

DOW CORNING DISCLAIMS LIABILITY FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES.

We help you invent the future.™

www.dowcorning.com