

# MOLYKOTE<sup>®</sup> EM-30L Grease

Lubricating grease developed for plastic components

## 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

- Polyalphaolefin
- Lithium soap
- PTFE, etc.

## Applications

Automobiles, electrical appliances, precision equipment, audio equipment, and office equipment with plastic parts.

## 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

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, MOLYKOTE<sup>®</sup> EM-30L Grease, has a usable life of 36 months from the date of production.

## Packaging

This product is available in 1 kg cans (10 cans/case) and 16 kg pails.

## Typical properties

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

Standard <sup>(1)</sup>	Test	Unit	Result
	Appearance		White
	Base oil viscosity at 40°C	mm <sup>2</sup> /s	90
JIS K 2220	Penetration (worked 60 times)		325
	NLGI class		1
	Service temperature range	°C	-45 to 150
	Density	g/cm <sup>3</sup>	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 D2596	Four ball weld load (1,500 rpm/1 minute)	N	3,730
ASTM D2266	Four ball wear scar (1,200 rpm, 392 N, 1 hour)	mm	0.5
JIS K 2220	Low temperature torque test (-40°C)		
	Starting torque	mNm	110
	Running torque	mNm	51

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

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