

MOLYKOTE® EM-D110 Grease

Lubricating grease developed for plastic components

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

- Polyalphaolefin
- Lithium soap
- PTFE and other individual lubricants

Applications

MOLYKOTE® EM-D110 Grease is a high-viscosity-base-oil PAO grease for use in applications where noise reduction and damping are desired, including in driveshaft spline connections to reduce engagement feedback. Also suitable for applications where reducing noise from plastic gears is desired.

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

MOLYKOTE® EM-D110 Grease 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.

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.

Typical properties

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

Standard ⁽¹⁾	Test	Unit	Result
	Appearance		White
	Base oil viscosity at 40°C	mm ² /s	9,850
JIS K 2220	Penetration (worked 60 times)		360
	NLGI class		0 to 1
	Service temperature range	°C	-10 to 150
	Density	g/cm ³	0.86
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)	%	0.2
JIS K 2220	Oxidation resistance (99°C, 100 hours)	MPa	0.02
JIS K 2220	Copper corrosion (100°C, 24 hours)		1a

⁽¹⁾JIS: Japanese Industrial Standard.

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 1 kg cans (10 cans/case) and 16 kg pails.

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