

Specialty Lubricants

MOLYKOTE® E Paste

A high-load/high-wear durability paste based on a synthetic oil, developed specifically for plastic components

FEATURES

- Superior load carrying capability and wear resistance
- Uses a synthetic oil base, so has a broad range of service temperatures
- Compatible with most plastics
- Has a long life under reciprocating motion
- Does not contain silicone thereby preventing problems with contact point failures

COMPOSITION

- Poly- α -olefin
- Special solid lubricants

APPLICATIONS

- Automobiles, electrical appliances, precision equipment, audio equipment, and office equipment that have plastic parts.
- Can be used with plastic-on-plastic, metal-on-metal, or plastic-on-metal friction parts.

TYPICAL PROPERTIES

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

Standard*	Parameter	Unit	Value
	Appearance		Light yellow
JIS K 2220	Penetration (worked 60 times)	mm/10	280
	NLGI class		2
	Service temperature range	°C	-50 to 150
	Density	g/cm ³	1.18
JIS K 2220	Bleed (100°C 24 hours)	%	1.0
JIS K 2220	Evaporation (99°C 22 hours)	%	0.2
JIS K 2220	Copper corrosion (100°C 24 hours)		1a
ASTM D 2596	Four ball weld load (1500rpm/1minute)	N	5500
ASTM D 2266	Four ball wear scar (1740rpm, 392N, 1 hour)	mm	0.50
	LFW-1 reciprocating motion test		
	Useful life (90°, 2700N, 75cpm, Rc60)	Cycle	>20,000
	Coefficient of friction (after 6000 cycles)		0.08
JIS K 2220	Low temperature torque test (-40°C)		
	Starting torque	Ncm	24.5
	Running torque	Ncm	6
	Compatiblity test for various plastics (bend strain test at 60°C, 500 hours)		
	ABS Resin		No cracks or discoloration
	Polycarbonate resin		No cracks or discoloration
	Nylon resin		No cracks or discoloration
	Polyacetyl resin		No cracks or discoloration

*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 200°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 20kg pails.

CAUTION

1. Data included in this document are average values, not specification values. Any applications for this product given in this document are merely examples. Perform thorough evaluations to confirm functionality, effectiveness, and safety before use.
2. No guarantees are made that the applications described in this document are free from infringements of any patent.
3. This product was developed for industrial use, and is not intended for use in medical equipment, pharmaceutical products, etc.
4. Be sure to read the material safety data sheet (MSDS) and container label for this product before use.
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