

Specialty Lubricants

MOLYKOTE® P-37 Paste

Prevents seize of austenite steel and high nickel chromium steel alloy screws used at high temperatures

FEATURES

- Compatible with high temperatures (1400°C)
- Excellent load-carrying capacity and seize protection
- Sulphur content of less than 250ppm, with a total halogen content (including chlorine) of less than 200ppm
- Low seepage, so it can be used in places wherein cleanliness is required
- Allows screws to be removed easily even after extended periods of use at high temperatures
- Does not include components that become brittle at high temperatures

COMPOSITION

- Mineral oil
- Special solid lubricants

APPLICATIONS

- Prevents seize of screws used at high temperatures.
- Approved for use by many manufacturers of set screws used in power plant turbines, and manufacturers of steam valve joints

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		Gray black
JIS K 2220	Penetration (worked 60 times)	mm/10	310 to 340
	NLGI class		1
	Service temperature range	°C	-30 to 1400
	Density	g/cm ³	1.21
ASTM D 2596	Four ball weld load (1500rpm/1minute)	N	4000
ASTM D 2266	Four ball wear scar (1200rpm, 392N, 1 hour)	mm	0.75
	Total halogen	ppm	200 (max)
	Sulphur content	ppm	250 (max)

*JIS: Japanese Industrial Standard.

ASTM: American Society for Testing and Materials.

HOW TO USE

Clean and degrease the location of use before applying this product. Use a wire brush to remove any sludge or rust on the screws. Carefully apply the paste to fully coat the screws. Do not mix with other lubricants.

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 60 months from the date of production.

PACKAGING

This product is available in 500g cans with brushes (10cans/case).

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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