

MOLYKOTE® D-6927 Anti-Friction Coating

Heat-curing dry-film lubricant

Features & benefits

- Wear resistance
- Chemical resistance
- No solvent (NMP) or contents that require reporting or are prohibited under REACH
- Black color appearance
- Low friction coefficient
- High wear resistance

Composition

- Solid lubricant
- Organic binder
- Solvent

Applications

For plastics/metal and metal/metal combinations for low to medium loads. Used on automotive parts for brake, door and locking mechanisms; safety belts; springs; pins; washers and air-conditioner pistons.

Description

MOLYKOTE® D-6927 Anti-Friction Coating is a dispersion of solid lubricants in an organic resin-solvent.

How to use

Stir well before use. Clean and degrease metal surfaces before application. MOLYKOTE® D-6927 Anti-Friction Coating is formulated for application by spray. Recommended film thickness is 10-20 microns at one spray. To adjust coating viscosity, the material should be diluted with MOLYKOTE® D-7415 Thinner.

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.

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
	Color		Black liquid
	Viscosity, BM, No. 3, 60 rpm	mPa.s	500
	Relative density		1.1
	Nonvolatile content	%	20.8
	Drying time/temperature	min/°C	5-10/80
	Curing time/temperature	min/°C	60/230
	Film service-temperature range	°C	-60 to +240
JIS K5400	Pencil hardness		3H
	Wear depth ⁽²⁾ , ring on plate test, 20 N, 0.1 m/s, 60 mins, dry	µm	1.3
	Coefficient of friction ⁽²⁾ , ring on plate test, 20 N, 0.1 m/s, 60 mins, dry		0.25

⁽¹⁾JIS: Japanese Industrial Standard.

⁽²⁾Steel panel: Cure 230°C×60 min. Film thickness: 15 µm. Ring: uncoated.

Usable life and storage

MOLYKOTE® D-6927 Anti-Friction Coating has a shelf life of 720 days when kept in its original sealed container at ambient temperature.

Packaging

This product is available in different standard container sizes. Detailed container size information should be obtained from your nearest MOLYKOTE® sales office or MOLYKOTE® distributor.

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