

# *Molykote*<sup>®</sup> 106 Anti Friction Coating

## **FEATURES & BENEFITS**

- Low coefficient of friction
- High load carrying capacity
- Good adhesion

## **COMPOSITION**

- Solid lubricants
- Organic binder
- Solvent

Heat-curing dry film lubricant

## **APPLICATIONS**

- Dry lubrication for metal/metal combinations.
- Maintenance-free, permanent lubrication of highly stressed friction combinations with low speeds or oscillating operation.
- Used where design construction prevents the use of oil or grease or where the risk of soiling is undesirable.
- This product can be used for the dry lubrication of locks, hinges, joints, magnetic armatures and for the anti-seizure coating of engine and gear components.

## **TYPICAL PROPERTIES**

Specification Writers: These values are not intended for use in preparing specifications. Please contact your local Dow Corning sales office or your Global Dow Corning Connection before writing specifications on this product.

Test <sup>1</sup>	Property	Unit	Result
	<b>Color</b>		Dark grey
	<b>Physical Properties</b>		
DIN EN ISO 2431	Viscosity at 20°C (ISO4 cup)	s	37
DIN 53217/2	Density at 20°C	g/ml	1.16
DIN ISO 2619	Flash Point	°C	29.5
	<b>Temperature</b>		
	Curing time	minutes/°C	60/150
	Service temperature range	°C	-70 to +250
	<b>Load-carrying capacity, wear protection, service life</b>		
ASTM-D2714	Falex load-carrying capacity <sup>1</sup>	cycles	p=14500*
	LFW-1, rotating <sup>1</sup>		p=478*
	F=2860N, n=72 minutes, v=7.9m/minutes no. of revolutions x1000 to μ=0.1		
ASTM-D2714	LFW-1, oscillating		p=292*
	F=900N, frequency=89.5osc./minutes no. of oscillations to μ=0.8		

<sup>1</sup>DIN: Deutsche Industrie Norm.

ISO: International Standardization Organization.

ASTM: American Society for Testing and Materials.

\*Surface:p = phosphatized,

## **DESCRIPTION**

*Molykote*<sup>®</sup> 106 Anti Friction Coating is a heat curing coating which offers long lasting high load carrying capacity and low coefficient of friction.

## **HOW TO USE**

### **Surface preparation**

First clean and degrease the surface which will be coated with *Molykote* 106 Anti Friction Coating. Phosphating or sandblasting (180 grid) increases the adhesion and service life.

### **How to apply**

Stir *Molykote* 106 Anti Friction Coating thoroughly before applying by spraying, dipping, centrifuging or brushing. Recommended dry film thickness: 5 to 20µm.

### **Curing**

60 minutes at 150°C,  
(Object temperature).

### **Solubility**

Thinning can be carried out using *Molykote*® L 13 Thinner.

## **HANDLING**

### **PRECAUTIONS**

**PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. BEFORE HANDLING, READ PRODUCT AND MATERIAL SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION. THE MATERIAL SAFETY DATA SHEET IS AVAILABLE ON THE DOW CORNING WEBSITE AT DOW CORNING.COM, OR FROM YOUR DOW CORNING SALES APPLICATION ENGINEER, OR DISTRIBUTOR, OR BY CALLING DOW CORNING CUSTOMER SERVICE.**

### **USABLE LIFE AND STORAGE**

When stored between 1 and 20°C in the original unopened containers, *Molykote* 106 Anti Friction Coating has a usable life of 36 months from the date of production.

### **PACKAGING INFORMATION**

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

## **LIMITATIONS**

This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

## **HEALTH AND ENVIRONMENTAL INFORMATION**

To support Customers in their product safety needs, Dow Corning has an extensive Product Stewardship organization and a team of Product Safety and Regulatory Compliance (PS&RC) specialists available in each area.

For further information, please see our website, [dowcorning.com](http://dowcorning.com) or consult your local Dow Corning representative.

## **LIMITED WARRANTY INFORMATION – PLEASE READ CAREFULLY**

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