

# Product Information

## Specialty Lubricants

**DOW CORNING**

# Molykote<sup>®</sup> DX Paste

## **FEATURES & BENEFITS**

- Particularly high load-carrying capacity
- Good water-resistance and water-washed resistance
- Prevents stick-slip and seizure
- Good corrosion protection
- Excellent protection against galling
- Cleaness

## **COMPOSITION**

- Mineral oil
- Lithium soap
- Solid lubricants
- Corrosion inhibitor

Light-colored grease-paste with solid lubricants for assembly and long-term lubrication of metallic components

## **APPLICATIONS**

- Sliding surfaces and friction contacts exposed to heavy loads, requiring "clean" lubrication, especially at low to medium speeds.
- Could be used on many friction contacts of electrical and domestic appliances, packaging and office machinery, precision instruments, as well as in textile and plastics processing machinery.

## **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*	Property	Unit	Result
	Color		White
	<b>Consistency, density, viscosity</b>		
ISO 2137	Unworked penetration	mm/10	285 - 315
ISO 2811	Density at 20°C (68°F)	g/ml	1.1
DIN 51 562	Base oil viscosity at 40°C (104°F)	mm <sup>2</sup> /s	110
	<b>Temperature</b>		
	Service temperature range	°C	-25 to +125
		°F	-31 to +257
ASTM D 1478-80	Low temperature torque test at -20°C (-4°F) <sup>1</sup>		
	Initial break-away torque	Nm	124 x 10 <sup>-3</sup>
	Torque after 20 minutes running time	Nm	63 x 10 <sup>-3</sup>
DIN 51 805	Kestemich method - flow pressure at -20°C (-4°F)	mbar	200
	<b>Load -carrying capacity, wear protection</b>		
	<b>Four-ball tester (VKA)</b>		
DIN 51 350 pt.4	Weld Load	N	4800
DIN 51 350 pt.5	Wear Scar under 800N load Almen-Wieland machine	mm	0.77
	OK load	N	20000
	Frictional force	N	1560
	<b>Coefficient of friction</b>		
	Press-Fit test $\mu =$		0.10, no chatter
	<b>Resistance</b>		
DIN 51 807 pt.1	Water resistance, static evaluation step		2-90
DIN 51 808	Oxidation resistance, pressure drop after 100h, 99°C (210°F)	bar	0.8

## TYPICAL PROPERTIES (Continued)

Test	Property	Unit	Result
DIN 51 802	<b>Corrosion protection</b> SKF-Emcor method		
	Degree of corrosion		2-3
Deyber	Fretting Corrosion		>36 x10 <sup>6</sup>
	<b>Oil separation</b>		
DIN 51 817	Oil separation, standard test	%	3.8

<sup>1</sup>ISO: International Standardisation Organisation.

DIN: Deutsche Industrie Norm.

ASTM: American Society for Testing and Materials.

<sup>1</sup>Calculated viscosity value of base oil mixture.

### DESCRIPTION

*Molykote*<sup>®</sup> DX Paste is a grease-paste that reduces friction in low speed, high load applications by delivering a combination of white solid lubricants with a mineral oil carrier fluid to the required point of lubrication.

### HOW TO USE

The contact points should be cleaned, wherever possible. Paste should be applied using a suitable brush. It can be delivered by a grease gun or central lubricating system. Excess lubrication does not harm.

### 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 WEB SITE 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 at or below 20°C (68°F) in the original unopened containers, *Molykote*<sup>®</sup> DX Paste has a usable life of 60 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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