

Product Information

Specialty Lubricants

DOW CORNING

MOLYKOTE® HTP

Solid lubricating paste

FEATURES

- High temperature resistance (up to 1150°C)
- Reduces friction and wear
- Reduces scoring
- Increases service life of tools

COMPOSITION

- Mineral oil
- Thickener
- Solid lubricant

Solid lubricating paste for hot forming of metals

APPLICATIONS

- Suitable for the lubrication of tools for hot forming, particularly on hot-flow presses and drop forging, also as a parting agent and slip additive at high temperatures.
- Used successfully for the hot bending of flat steel St 37 or St 70, the rolling of the ends of vehicle leaf-springs, folding of sheet metal edges, hot rolling of cutters, and drop forging of flywheels made from St 37, as well as for the lubrication of separator plates on chipboard presses.

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*	Test	Unit	Result
	Color		White
	Penetration, density, viscosity		
ISO 2137	Unworked penetration	mm/10	250-280
ISO 2811	Density at 20°C	g/ml	1.5
	Temperature		
	Service temperature ¹	°C	-20 to +1150
	Load-carrying capacity, wear protection, service life		
	Four-ball tester (VKA)		
DIN 51 350 pt.4	Weld load	N	2200
DIN 51 350 pt.5	Wear scar under 800N load Almen-Wieland machine	mm	1.0
	OK load	N	20000
	Friction force	N	2300

1. Temperature resistance of solid lubricants.

* ISO: International Standardisation Organisation

DIN: Deutsche Industrie Norm

HOW TO USE

How to apply

Apply MOLYKOTE HTP Solid Lubricating Paste with a suitable brush or a rag, thinly and uniformly to the cleaned workpiece or tool. Application should be repeated from time to time, as required

HANDLING PRECAUTIONS

PRODUCT SAFETY
INFORMATION REQUIRED FOR
SAFE USE IS NOT INCLUDED.
BEFORE HANDLING, READ
PRODUCT AND SAFETY DATA
SHEETS AND CONTAINER
LABELS FOR SAFE USE,
PHYSICAL AND HEALTH
HAZARD INFORMATION. THE
SAFETY DATA SHEET IS
AVAILABLE FROM YOUR LOCAL

DOW CORNING SALES
REPRESENTATIVE.

USABLE LIFE AND STORAGE

When stored at or below 20°C in the original unopened containers, this product has a usable life of 60 months from the date of production.

PACKAGING

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 Health, Environment and Regulatory Affairs specialists available in each area.

For further information, please consult your local Dow Corning representative.

WARRANTY INFORMATION - PLEASE READ CAREFULLY

The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that Dow Corning's products are safe, effective, and fully satisfactory for the intended end use. Dow Corning's sole warranty is that the product will meet the Dow Corning sales specifications in effect at the time of shipment. Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as

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