

MOLYKOTE® HTP SOLID LUBRICATING PASTE

Solid lubricating paste for hot forming of metals

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

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

Specifications writers: These values are not intended for use in preparing specifications. Please contact Dow Corning GmbH, Wiesbaden, Germany before writing specifications on this product.

| Standard* | Test | Units | Result |
|-----------------|--|-------|--------------|
| | Colour | | 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

A Product Safety Data Sheet should be obtained from your nearest Dow Corning sales office prior to use.

ATTENTION: Before handling, read product information, Product Safety Data Sheets and container labels for safe use, and any physical and/or health hazard information.

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.

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Dow Corning will guarantee the usable life of this product until the date indicated on the packaging. This date is shown by the letters "EXP" (meaning Expiry) followed by 4 digits, which stand for the month (last day) and year. Example: "EXP 03/99" means use by 31 March 1999.

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

Dow Corning's Health, Environment and Regulatory Affairs (HERA) Department is available to support customers for their product safety needs. For further information, you can contact this group at:

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