**Product Information**

**Specialty Lubricant**

**Molykote® G-N Paste**

**FEATURES & BENEFITS**
- Heat resistant (400°C)
- Excellent load-carrying capacity and prevents seizure
- Prevents fretting corrosion
- Good for oscillating movement
- Low coefficient of friction even under high loads
- Economical, with a large coating surface area per unit

**COMPOSITION**
- Molybdenum disulfide
- White solid lubricants
- Mineral oil

A combination paste containing molybdenum disulfide, with superior resistance to high loads

**APPLICATIONS**
- Reduces break-in time, and extends service lives of parts.
- Can be used at assembly, for sliding parts under high loads at low speeds, as a screw lubricant, and in metal working.

**TYPICAL PROPERTIES**

<table>
<thead>
<tr>
<th>Test*</th>
<th>Property</th>
<th>Unit</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>JIS K 2220</td>
<td>Penetration (unworked)</td>
<td></td>
<td>300</td>
</tr>
<tr>
<td></td>
<td>NLGI class</td>
<td></td>
<td>1 to 2</td>
</tr>
<tr>
<td>JIS K 2220</td>
<td>Service temperature range¹</td>
<td>°C</td>
<td>-20 to 120</td>
</tr>
<tr>
<td></td>
<td>Density</td>
<td>g/cm³</td>
<td>1.38</td>
</tr>
<tr>
<td>JIS K 2220</td>
<td>Bleed (100°C, 24 hours)</td>
<td>%</td>
<td>1.5</td>
</tr>
<tr>
<td>JIS K 2220</td>
<td>Evaporation (99°C, 22 hours)</td>
<td>%</td>
<td>1.2</td>
</tr>
<tr>
<td>JIS K 2220</td>
<td>Copper corrosion 100°C, 24 hours</td>
<td>1b</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Press-fit test, coefficient of friction²</td>
<td></td>
<td>0.10</td>
</tr>
<tr>
<td>ASTM D 2266</td>
<td>Four ball wear scar (1740 rpm, 392 N, 1 hour)</td>
<td>mm</td>
<td>0.53</td>
</tr>
<tr>
<td>ASTM D 2670</td>
<td>Falex weld load</td>
<td>N</td>
<td>14700</td>
</tr>
<tr>
<td>ASTM D 2714</td>
<td>LFW-1 oscillation life (at 90° angle, 75 cpm, 2700 N)</td>
<td>cycles</td>
<td>&gt; 20000</td>
</tr>
</tbody>
</table>

*JIS: Japanese Industrial Standard
ASTM: American Society for Testing and Materials

¹Although the base oil will carbonize at temperatures in excess of 120°C, the solid components will maintain lubrication up to 400°C
²Steel on steel, 1.5 mm 1 minute, press-fit pressure of 69 MPa.

**HOW TO USE**
Clean and degrease surface before application. The following methods of application can be used:
- Burnishing - rub on with a cloth or deer skin.
- Paint with brush - a thin, strong brush is recommended

**HANDLING PRECAUTIONS**

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. 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 ON
THE DOW CORNING WEBSITE
AT DOWCORNING.COM, OR
FROM YOUR DOW CORNING
SALES APPLICATION
ENGINEER, OR DISTRIBUTOR,
OR BY CALLING
DOW CORNING CUSTOMER
SERVICE.

USABLE LIFE AND
STORAGE
When stored, unopened in a cool, dark
place Molykote® G-N Paste, has a
usable life of 1080 days from the date
of production.

PACKAGING
INFORMATION
This product is available in:
500 g cans (10 cans/case), 1 kg cans
(4 cans/case), 5 kg, and 20 kg cans.

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 or consult
your local Dow Corning
representative.

LIMITED 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
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infringe any patent.

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