**Product Information**

**Specialty Lubricants**

**Molykote® D-9630 Anti-Friction Coating**

**FEATURES**
- Excellent "anti-squeak" performance
- Low coefficient of friction
- Constant coefficient of friction at different temperatures
- Water-based
- White coating

**COMPOSITION**
- Solid lubricants
- Organic binder
- Water
- Stabilizer

**APPLICATIONS**
- Reduces or eliminates noise of plastic parts e.g. in automotive applications such as door panels, arm rests, dashboards, glove boxes, etc., as well as leather equipment.
- Suitable for material combinations plastic/plastic, plastic/metal, plastic/leather, leather/leather with slow movements or vibrations at low loads.

**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.

<table>
<thead>
<tr>
<th>Standard*</th>
<th>Test</th>
<th>Unit</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Color</td>
<td>White</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Physical properties</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Viscosity at 25°C (IWATA Cup)</td>
<td>Seconds</td>
<td>33</td>
</tr>
<tr>
<td>JIS K 5400</td>
<td>Density at 20°C (68°F)</td>
<td>g/ml</td>
<td>1.4</td>
</tr>
<tr>
<td>JIS K 5407</td>
<td>Non-volatile content</td>
<td>%</td>
<td>47</td>
</tr>
<tr>
<td></td>
<td>Storage life</td>
<td>Months</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>Recommended thickness</td>
<td>µm</td>
<td>5-20</td>
</tr>
<tr>
<td></td>
<td>Temperature</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Drying time at 25°C</td>
<td>minutes</td>
<td>5-10</td>
</tr>
<tr>
<td></td>
<td>Curing time</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>25 ºC (77 ºF)</td>
<td>minutes</td>
<td>120</td>
</tr>
<tr>
<td></td>
<td>60 ºC (140 ºF)</td>
<td>minutes</td>
<td>20</td>
</tr>
<tr>
<td></td>
<td>Service temperature range after curing</td>
<td>ºC</td>
<td>-40 to +120</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ºF</td>
<td>-4 to +248</td>
</tr>
<tr>
<td></td>
<td>Coefficient of friction</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Static coefficient of friction</td>
<td>µ</td>
<td>0.15</td>
</tr>
<tr>
<td></td>
<td>Dynamic coefficient of friction</td>
<td>µ</td>
<td>0.10</td>
</tr>
</tbody>
</table>

* JIS: Japanese Industrial Standard

**HOW TO USE**

**Surface preparation**
First clean and degrease the surface which will be coated with *Molykote® D-9630 Anti-Friction Coating.*

**How to apply**
Stir the Anti-Friction Coating thoroughly before applying by spraying or brushing. Recommended dry film thickness: 5 to 20µm.

**Curing**
120 minutes at 25°C.

**Solubility**
Thinning can be carried out using distilled water or tap water
ANTI-SQUEAK MECHANISM

Definition stick-slip
Intermittent movement that occurs when unevenness in the road surface transmits vibrations through the vehicle. An interior plastic part would move and stop causing a juddering motion. This is known as the stick-slip effect which causes the offensive squeak.

Molykote D-9630 Anti-Friction Coating eliminates stick-slip very effectively. It reduces the difference between static and sliding friction and lowers the friction dramatically.

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 MATERIAL SAFETY DATA SHEET IS AVAILABLE ON THE DOW CORNING WEBSITE AT DOWCORNING.COM. YOU CAN ALSO OBTAIN A COPY FROM YOUR LOCAL DOW CORNING SALES REPRESENTATIVE OR DISTRIBUTOR OR BY CALLING YOUR LOCAL DOW CORNING GLOBAL CONNECTION.

USABLE LIFE AND STORAGE
When stored between 2ºC (36ºF) and 30ºC (86ºF) in the original unopened containers, this product has a usable life of 12 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, www.dowcorning.com or consult your local Dow Corning representative.

LIMITED WARRANTY – 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 our products are safe, effective, and fully satisfactory for the intended end use. Suggestions of use shall not be taken as inducements to infringe any patent.

Dow Corning’s sole warranty is that our products will meet the 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 warranted.

DOW CORNING SPECIFICALLY DISCLAIMS ANY OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY.

DOW CORNING DISCLAIMS LIABILITY FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES.

We help you invent the future. ™
molykote.com