Dow Corning® Solutions for Office Equipment and Home Electronics

- LBP
- Ink Jet Printer
- Multi-Function Machine
- Digital Camera
- CD/DVD Player
- Mobile Phone
- Camcorder
Dow Corning: Meeting Your Needs Exactly

When it comes to providing reliability, durability, compatibility and safety for the office equipment and home electronics markets, designers and engineers around the world turn to Dow Corning.

As the global leader in silicon-based technology and with more than 60 years of experience as a silicone supplier, Dow Corning provides products, services and business solutions to meet your needs exactly. We design innovative technology into every one of our products—including our Molykote® brand lubricants, greases and anti-friction coatings. And every product is backed by our commitment to provide design and processing answers when you need them.

Our functionality testing, application engineering, and equipment/material integration provide you with a total systems solution. Our product range and engineering expertise make us the ideal partner for cooperation and development of projects for modified or new products.

Whether you need to boost performance, lower costs, or increase customer satisfaction with your office equipment and home office systems, modules and components, our experts can customize precise, reliable and durable solutions.

This guide will assist you in selecting the best lubricant for your specific application needs. Technical data sheets are available for all products.
Molykote® Lubricants for Office Equipment and Home Electronics

Simply put, the right lubricant for a moving part can mean the difference between high performance and failure.

When you select Dow Corning as your preferred lubricant supplier, you get access to our extensive offering of Molykote® brand lubricants, specialty greases, pastes, anti-friction coatings, oils and dispersions, as well as unmatched application expertise.

Molykote lubricants are designed to perform optimally on a variety of substrates, including plastics,

<table>
<thead>
<tr>
<th>Application</th>
<th>Parts</th>
<th>Recommended Molykote® Products</th>
</tr>
</thead>
<tbody>
<tr>
<td>LBP</td>
<td>• Heat roller and bearing lubricant</td>
<td>HP-300, HP-500</td>
</tr>
<tr>
<td></td>
<td>• Paper feeding/ejection gears</td>
<td>EM-30L, EM-50L</td>
</tr>
<tr>
<td></td>
<td>• Paper guide and cassette lubricant</td>
<td>PD-910, L-8011</td>
</tr>
<tr>
<td></td>
<td>• Paper provide adjust actuator</td>
<td>EM-30L</td>
</tr>
<tr>
<td></td>
<td>• One way clutch/torque limiter</td>
<td>DX PASTE, G-8010</td>
</tr>
<tr>
<td></td>
<td>• Toner cartridge gear</td>
<td>EM-50L, PD-920, L-8001</td>
</tr>
<tr>
<td>Ink jet printer</td>
<td>• Ink cartridge</td>
<td>PD-910, PG-641, L-8011</td>
</tr>
<tr>
<td></td>
<td>• Paper tray</td>
<td>PD-910, L-8011</td>
</tr>
<tr>
<td></td>
<td>• Plastic gear</td>
<td>EM-50L, PG series, PD-910, PD-920, L-8001</td>
</tr>
<tr>
<td>Multi-function machine</td>
<td>• Heat roller and bearing lubricant</td>
<td>HP-300, HP-500</td>
</tr>
<tr>
<td></td>
<td>• Paper feeding/sorting unit gears</td>
<td>EM-30L, EM-50L</td>
</tr>
<tr>
<td></td>
<td>• Paper guide and cassette</td>
<td>PD-910, L-8011</td>
</tr>
<tr>
<td></td>
<td>• Toner cartridge gear</td>
<td>EM-50L, PD-920, L-8001</td>
</tr>
</tbody>
</table>

Recommended products are Molykote® brand unless otherwise noted.
Product availability may vary by region, so please check with your local Dow Corning contact.
metals, elastomers and engineered polymers, and provide long-lasting, noise-reducing performance, even in high pressure or extreme temperatures. Regardless of the scope and scale of lubrication support you require, we can provide the exact combination of products and services that you need to succeed.

• **Total solution** – We offer a wide selection of specialty lubricants for all applications to help you make the right choice the first time.

• **Tailored approach** – Dow Corning has global capabilities but can tailor a solution that can satisfy local needs.

• **Environmentally friendly** – Our silicone-based lubricants do not contain heavy metals or unwanted chemicals.

The Molykote line of specialty lubricants for appliance components includes:

**Performance Needs**

- Heat stability
- Plastic compatibility, noise reduction
- Plastic compatibility, invisible, semi-dry lubricant
- Plastic compatibility, noise reduction
- High torque, plastic compatibility
- Plastic compatibility, noise reduction
- Plastic compatibility, invisible, semi-dry lubricant, (long endurance, low bleeding)
- Plastic compatibility, semi-dry lubricant
- Plastic compatibility, no oil spreading

**Application Parts Recommended**

- **Digital Camera**
  - AV10122
- **Home Electronics**
  - AV10529
- **CD/DVD Player**
- **Mobile Phone**
- **Camcorder**

**Greases** – Thick or semi-fluid dispersions of a thickening agent in a lubricating liquid. High-performance greases are designed for dynamic metal-to-metal, metal-to-rubber, metal-to-plastic and plastic-to-plastic applications. Most greases are based on synthetic formulations that have excellent resistance to thermal degradation. Many are fortified with solid lubricant additive technology to provide effective lubrication under extreme load conditions. High-performance fluorinated greases are designed for extended service at higher temperatures and higher loads, and in harsh chemical environments.

**Pastes** – High concentrations of solid lubricants dispersed in oil for convenient application. These lubricants have high concentrations of solid lubricants blended in various bases. They are used where a high concentration of solid lubricant is required, such as initial run-in and areas exposed to high loads.
- **Anti-friction coatings** – Paint-like products that contain submicron-sized particles of solid lubricants instead of coloring pigment, dispersed through carefully selected resin blends and solvents. After curing, the coating forms a dry lubricating film that can help prevent corrosion and is aesthetically pleasing. Anti-friction coatings are ideal for applications involving dusty environments or for inaccessible areas containing parts that need long-term lubrication.

- **Semi-dry lubricant** – Clear, color dispersions that contain fluorinated solid lubricants and slight amounts of fluorinated oil mixed into non-flammable solvent. These lubricants dry quickly after a thin layer is applied.

<table>
<thead>
<tr>
<th>Parts</th>
<th>Recommended Molykote® Products</th>
<th>Performance Needs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Auto focus</td>
<td>PD-920, L-8001</td>
<td>Invisible, semi-dry lubricant</td>
</tr>
<tr>
<td>Dial switch, shutter</td>
<td>PD-910, L-8011</td>
<td>Invisible, semi-dry lubricant</td>
</tr>
<tr>
<td>Guide bar</td>
<td>E paste, PG, PD-910, L-8011</td>
<td>Plastic compatibility, noise reduction, no oil spreading</td>
</tr>
<tr>
<td>Hinge (fold type, reverse type hinge)</td>
<td>HP-300</td>
<td>Plastic compatibility, torque stability</td>
</tr>
<tr>
<td>Slide parts</td>
<td>PD-920, PD-930</td>
<td>Plastic compatibility, no wet type lube</td>
</tr>
<tr>
<td>Auto focus</td>
<td>PD-920, L-8001</td>
<td>Invisible, semi-dry lubricant</td>
</tr>
<tr>
<td>Actuator</td>
<td>PD-910, L-8011</td>
<td>Invisible, semi-dry lubricant</td>
</tr>
<tr>
<td>Hinge</td>
<td>HP-300</td>
<td>Plastic compatibility, torque stability</td>
</tr>
</tbody>
</table>

Recommended products are Molykote® brand unless otherwise noted. Product availability may vary by region, so please check with your local Dow Corning contact.
How To Contact Us

Dow Corning has sales offices, manufacturing sites, as well as science and technology laboratories around the globe. For more information, visit www.dowcorning.com or www.molykote.com, or call one of our primary locations listed here.

Your Global Connection

The Americas
World Headquarters (United States)
Telephone: + 1 989 496 6000
Technical Information Center
Telephone: + 1 800 248 2481

Brazil
Dow Corning do Brasil Ltda.
Telephone: + 55 11 3759 4300

Asia
Asia Headquarters (Japan)
TEL: + 81 3 3287 8300
FAX: + 81 3 3287 1088

China
TEL: + 86 21 2306 5500
FAX: + 86 21 6351 2600
Technical Information Center
TEL: + 86 21 3774 7110

India
TEL: + 91 22 6694 6868
FAX: + 91 22 6694 6848

Korea
TEL: + 82 2 551 7600
FAX: + 82 2 551 6400

Singapore
TEL: + 65 6253 6611
FAX: + 65 6253 6070

Australia & New Zealand
Dow Corning Australia Pty Ltd.
Telephone: + 61 1300 360 732

Europe
European Headquarters (Belgium)
Dow Corning S.A.
Telephone: + 32 64 88 80 00

Germany
Dow Corning GmbH
Technical Information Center
Telephone: + 49 611 237 964

France
Dow Corning France S.A.
Sales Office
Telephone: + 33 47 284 1360

Italy
Dow Corning S.p.A.
Sales Office
Telephone: + 39 0298 8321

Spain
Dow Corning Iberica
Sales Office
Telephone: + 34 93 363 6900

United Kingdom
Customer Service Center Northern Europe
Sales Office
Telephone: + 44 1676 528 000

Global Presence.
Local Support.

Dow Corning’s global presence enables you to develop specifications centrally while providing consistent high-quality products and services locally. Through our global sales, application engineering, product development and manufacturing and delivery capabilities, our quality is consistent around the globe. This also enables a more effective and efficient product customization process—no matter where you are located!

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 substitution for customer’s tests to ensure that Dow Corning’s products are safe, effective, and fully satisfactory for the intended use. Suggestions of uses should not be taken as inducements to infringe any particular patent.

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 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.

Dow Corning is a registered trademark of Dow Corning Corporation.
Molykote is a registered trademark of Dow Corning Corporation.

© 2007 Dow Corning Corporation. All rights reserved.
Cover images: AV10575, AV10523, AV10528, AV10538

We help you
invent the future™

www.dowcorning.com