



Molykote[®] brand Brake Solutions

Smart Lubrication[™] Solutions ...
From the Pedal to the Pad

DOW CORNING

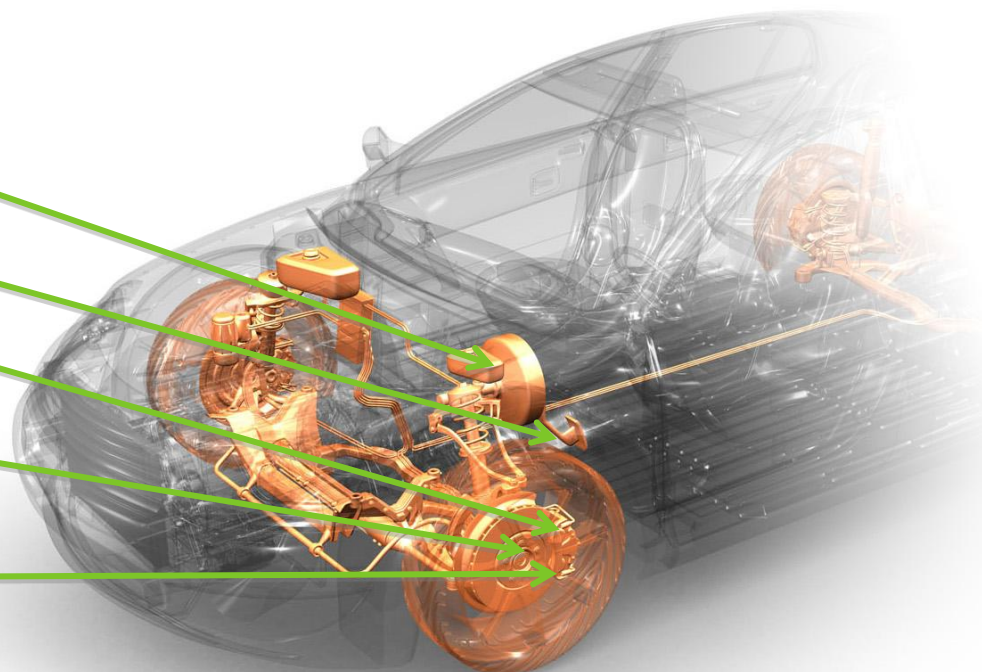
We help you invent the future.[™]



Molykote® brand Brake Solutions



- Brake Boosters/Actuators
- Pedal Systems
- Brake Pad Backing Plates
- Brake Pad Friction Control
- Caliper Guide and Mounting Pins

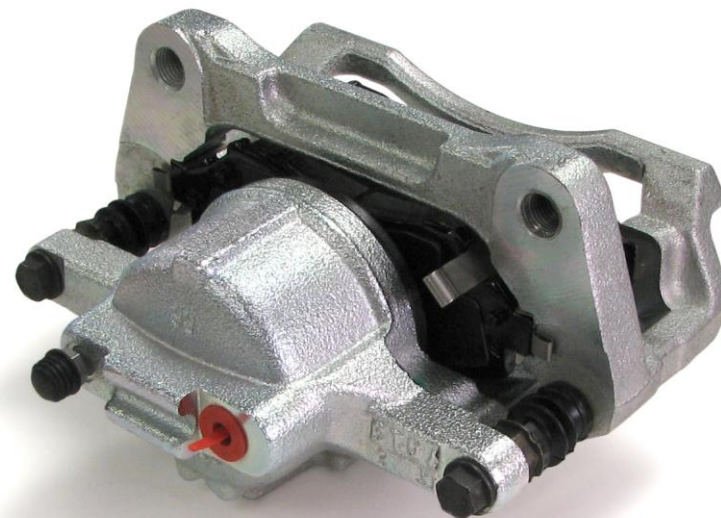


CALIPER GUIDE AND MOUNTING PINS

Molykote® G-3407 Caliper Pin Grease

Metal-to-metal lubrication for brake caliper pins

- Proven performance to reduce fretting corrosion and wear at high braking temperatures
- Durable lubrication can prevent:
 - Sticking, binding, grabbing
 - Noise and operation issues
 - Seizure and loss of braking



CALIPER GUIDE AND MOUNTING PINS

Molykote® G-3407 Caliper Pin Grease

Application advantages:

- Enhanced thermal stability at high temperatures
- Wide service temperature range, -40 to +200°C (-40 to +392° F)
- Good corrosion resistance
- Excellent anti-fretting and wear performance
- Good compatibility with many elastomers at 150° C (302° F)
- OEM-approved for global small-car platform



- Light green
- Polyalkylene glycol (PAG) oil with lithium complex thickener
- 18 kg pails, 180 kg drums

CALIPER GUIDE AND MOUNTING PINS

Molykote® G-807 Low Friction Silicone Compound**Severe-duty lubrication
for brake caliper pins**

- Protect against frictional wear, corrosion and sticking with solid lubricants in silicone oil
- Designed primarily for:
 - Metal-to-plastic lubrication
 - Metal-to-rubber lubrication



CALIPER GUIDE AND MOUNTING PINS

Molykote® G-807 Low Friction Silicone Compound

Application advantages:

- Excellent compatibility with plastic and rubber materials
- Wide service temperature range, -40 to +150°C (-40 to +302° F)
- Good low-friction properties
- High temperature stability
- Improved stiction properties
- Lubricating metal/plastic and metal/rubber interfaces



- White
- Polytetrafluoroethylene (PTFE) modified silicone compound
- 18 kg pails, 200 kg drums

BRAKE PAD FRICTION CONTROL

Molykote[®] Lubolid Additive Powders

Friction-control additives for brake pads and linings

- Improve braking performance, driving comfort and pad/lining service life with precise friction control and reliability
- Product choices available with these intended key benefits:
 - Stabilized friction
 - Reduced noise and judder
 - Improved comfort
 - Reduced disc wear



BRAKE PAD FRICTION CONTROL

Molykote® Lubolid Additive Powders

Application advantages:

- Improved comfort with less noise, vibration and judder
- Stabilized friction and reliability in most weather conditions
- Reduced potential for brake fading
- Increased durability and service life of pads and linings
- Reduced NVH and irregular wear on rotors and drums
- Less runout-induced DTV (disc thickness variation)



- Dark grey
- Free-flowing powders with lead- and antimony-free inorganic solids
- 25 kg bags with plastic liner

BRAKE PAD BACKING PLATES

Molykote[®] M-77 Solid Lubricant Paste**Noise-reducing lubrication
for brake shims, back
plates and calipers**

- Durable metal/metal lubrication to reduce wear, corrosion and noise
- Suitable for frictional contact surfaces exposed to water and extreme temperatures
- Paste lubricates up to 230° C (446° F); carrier volatilizes to residue-free film
- Dry film lubricates up to 450° C (842° F)



BRAKE PAD BACKING PLATES

Molykote® M-77 Solid Lubricant Paste

Application advantages:

- Resistance to water washout and intrusion
- Extreme-temperature lubrication reliability as paste or dry film
- Good corrosion protection
- Good compatibility with many plastics and elastomers
- Long-term lubrication at low-to-medium loads, low speeds



- Black-grey
- Silicone carrier oil with lithium soap and molybdenum disulphide (MoS_2) solid lubricants
- 1 kg cans; other standard sizes

BRAKE BOOSTERS/ACTUATORS

Molykote[®] PG-54 Plastislip Grease

Reliable lubrication for brake boosters/actuators, diaphragm rubber, cup seals, control pistons and reaction discs

- Reduce friction and wear
- High-performance grease for:
 - Plastic/plastic, plastic/metal and rubber/metal surfaces
 - Slow-to-medium movement
 - Light-to-medium loads

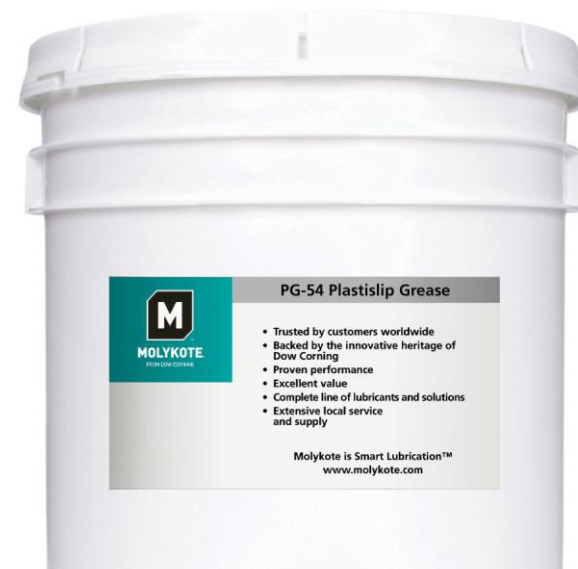


BRAKE BOOSTERS/ACTUATORS

Molykote[®] PG-54 Plastislip Grease

Application advantages:

- Excellent compatibility with plastics and rubber
- Very good corrosion resistance
- Low coefficient of friction
- Wide service temperature range, -50 to +180°C (-40 to +356° F)
- High oxidation resistance
- Long-term, non-petroleum-based lubrication



- White
- Silicone oil with lithium complex thickener, solid lubricants
- 100 g tubes, 1 kg cans, 5 and 25 kg pails, 180 kg drums

BRAKE PEDAL SYSTEMS

Molykote[®] PG-21 Plastislip Grease**Durable lubrication for
brake pedal bearings,
pivots and joints**

- Get smooth pedal operation
- Protect against corrosion, noise and premature wear
- High-performance grease for:
 - Plastic/plastic, plastic/metal and rubber/metal surfaces
 - Slow to medium-fast speeds
 - Light-to-medium loads

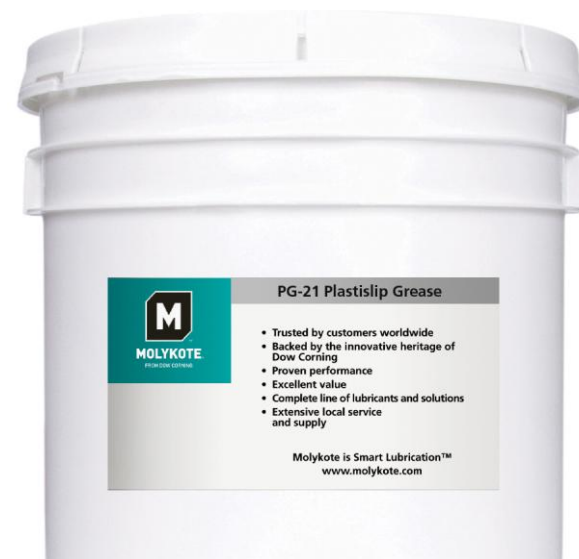


BRAKE PEDAL SYSTEMS

Molykote® PG-21 Plastislip Grease

Application advantages:

- High oxidation resistance
- Stability across a wide service temperature range, -50 to +190°C (-58 to +374° F)
- Good water resistance
- Excellent corrosion protection
- Good compatibility with metals, plastics and elastomers

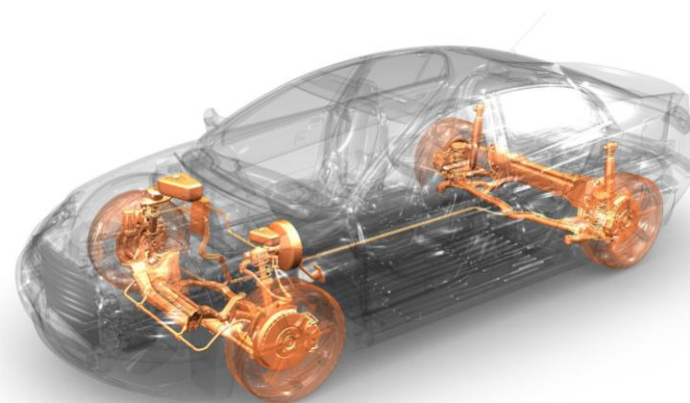


- White
- Silicone oil with lithium complex thickener
- 1 kg cans, 5 and 25 kg pails, 180 kg drums

FROM THE PEDAL TO THE PAD **Molykote® brand Brake Solutions**

Smart Lubrication™ solutions can help you increase:

- **Driving comfort** by reducing noise, vibration and harshness (NVH)
- **Performance** by providing durable, long-term lubrication
- **Safety** by keeping inaccessible components working as designed
- **Reliability** by withstanding extreme temperatures and harsh operating conditions



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We help you invent the future.™

FROM THE PEDAL TO THE PAD **Molykote**[®] brand Brake Solutions

Special Sample Kit: **Smart Lubrication**[™] Solutions

- Sample packs of six lubricants for brake-system applications
- Learn more about Dow Corning solutions for brake systems and other automotive applications:
 - Visit our website:
dowcorning.com/auto
 - E-mail for information:
automotive@dowcorning.com



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