



Pastes

Molykote pastes consist of a high concentration of solid lubricants dispersed in oil for convenient application. In cases where oils and greases are squeezed out of the lubricating contact, solid lubricants form tenacious adhering films, which prevent damages under extreme loads and low speeds. Major applications are initial assembly and running-in.

Molykote P-37 Ultrapure High Temperature Paste

Primary Use – Threaded connections where an ultrapure paste is needed.

Special Characteristics – Helps prevent seizure and damage of threaded connections during assembly and disassembly after extreme high-temperature exposure; nickel-free; does not contain any compounds that embrittle alloys.

Physical Form – Black, metal-free paste consisting of solid lubricants in ultrapure, sulfur-free synthetic oils.

Applications – Threaded connections, particularly those consisting of steel alloys with high chromium, nickel or molybdenum content (stainless steel); steam and gas turbine fasteners.

Temperature Range – Solids from -20 to 2550°F (-29 to 1400°C); base oil from -40 to 250°F (-40 to 121°C).

Molykote M-77 Part Assembly Paste

Primary Use – Part assembly; running in; as a press-fitting lubricant where high temperature is a factor.

Special Characteristics

Wider and higher operating temperature range than organic oil based pastes; extreme loads; low speeds.

Physical Form – Black, soap thickened, silicone fluid based paste containing more than 60% MoS₂.

Applications – Lubricating during running-in of gears, splines, journal bearings, cams; reducing torque in tightening threads and bolts; lubricating bearing shafts, O-rings, packings and seals, brake assemblies; press-fitting.

Temperature Range – Solids from -50 to 750°F (-45 to 399°C); base oil from -40 to 450°F (-40 to 232°C).

Limitations – Not recommended for use in pressure lines.

Molykote 1000 High Temperature Anti-Seize Paste

Primary Use – High Temperature Anti-Seize Premium multi-purpose paste for threaded connections.

Special Characteristics – Release and sealing properties; resists aging; wide service temperature range; protects against fretting corrosion.

Physical Form – Brown, mineral oil based paste containing solid lubricants, powdered metals and corrosion inhibitors.

Applications – Lubricating threaded connectors exposed to severe environments; lubricating rollers, oven chains, hinges, marine and outdoor equipment.

Temperature Range – Solids from -20 to 1202°F (-30 to 650°C); base oil from -40 to 250°F (-40 to 121°C).

Limitations – Not recommended for use in grease guns or high-pressure systems; separation may occur.

Molykote D General Purpose White Paste

Primary Use – General Purpose paste for assembly and running equipment, especially where staining by black solids may be undesirable.

Special Characteristics – “Clean” white paste; handles very heavy loads; will not drip or run; almost invisible in thin films, excellent protection against fretting corrosion.

Physical Form – Mineral oil based paste containing white solid lubricants; contains no metals.

Applications – Lubricating pins, rails and guides of molding machines; lubricating live and dead ends on lathes; lubricating threaded connections, plain bearings, power screws, guides, tracks, office furniture, packaging equipment, precision instruments, paper handling machines.

Temperature Range – Solids from -15 to 480°F (-26 to 249°C); base oil from -40 to 250°F (-40 to 121°C).

Molykote P-40 Paste

Primary Use – Metal free paste which can be used for all assembly and continuous lubricating jobs, particularly those exposed to corrosive environments such as splash water or humidity.

Special Characteristics – Excellent adhesion, good corrosion protection, water resistance and antifretting characteristics.

Physical Form – Yellowish Brown, metal/copper free paste based in a synthetic blend oil with tackifier additives.

Applications – Assembly and threaded connections, spline shafts, mounting of bearings. Continuous lubrication for various parts in brake systems, brake rods and guide bolts. Axles of commercial vehicles, cams and plain bearings. Marine applications. Open gears.

Temperature Range – Solids from -20 to 2000°F (-29 to 1093°C); base oil from -40 to 250°F (-40 to 121°C).

Molykote Dx Paste

Primary Use – Assembly and running equipment, especially where staining by black solids may be undesirable.

Special Characteristics – “Clean” white paste; handles very heavy loads; will not drip or run; almost invisible in thin films, excellent protection against fretting corrosion and galling. _

Physical Form – Mineral oil based paste containing white solid lubricants; contains no metals.

Applications – Lubricating pins, rails and guides of molding machines; lubricating live and dead ends on lathes; lubricating

threaded connections, plain bearings, power screws, guides, tracks, office furniture, packaging equipment, precision instruments, paper handling machines.

Temperature Range – Solids from -15 to 255°F (-25 to 125°C); base oil from -40 to 250°F (-40 to 121°C).

Molykote G-n Metal Assembly Paste/Spray

Primary Use – Reducing friction and wear on parts during assembly and breaking-in.

Special Characteristics – Low coefficient of friction; extreme loads; low speeds.

Physical Form – Gray-black paste or spray of MoS₂ and other lubricating solids in mineral oil.

Applications – Breaking-in bearings, splines, gears, cams, tracks; lubricating gears, chains, conveyor tracks, threaded connections; lubricating during metal forming, general parts assembly, press-fitting, cold extrusion.

Temperature Range – Solids to 750°F (399°C); base oil from 0 to 250°F (-18 to 121°C).

Limitations – Not recommended for use in pressure lines or grease guns; reduce torque values by approximately 1/3 when used on threaded connections.

Molykote P-1900 Food Grade Assembly Paste

Primary Use – Preventing galling, stick-slip and seizure of sliding surfaces and friction contacts where use of a paste acceptable under FDA 21 CFR 178.3570 is necessary.

Special Characteristics – “Clean” white paste; handles heavy loads; good resistance to water washout, almost invisible in thin films, excellent protection against fretting corrosion.

Physical Form – Mineral oil based paste containing white solid lubricants and an aluminum complex thickener.

Applications – Lubricating pins, rails, tracks, guides, spline shafts and threaded connections of food and beverage processing equipment.

Temperature Range – Solids from -22 to 572°F (-30 to 300°)

Molykote D 321 Anti-friction Coating:

Molykote D 321 Anti-friction Coating Gray-Black is an air-curing, solid, dry lubricant that is used for metal to metal applications that have high loads and slow to medium fast movements. It can also be used to improve the running-in process, permanently lubricating stressed sliding guides, or on high voltage switches. It provides resistance against ageing and stick-slips.

Suitable for the permanent lubrication of highly stressed sliding guides with low sliding speeds, oscillating movements or intermittent operation. Used successfully for cylinder-head bolts, toaster guides, car mirror adjustment mechanisms, high voltage

Molykote Colour : Gray to Black

Cure Time: 5min @ 23 °C

Service Temperature: -180 to 450 °C

Specific Gravity: 1.05

Molykote 55 O-ring Grease :

Molykote 55 O-ring Grease is a silicone-based material that helps ensure positive lubrication and sealing by slightly swelling rubber O-rings and seals. This product is heat stable and oxidation resistant and is serviceable from approximately -65 to 175 °c

Suitable for the lubrication between rubber and metal parts in pneumatic systems in aircraft, and automotive general industrial applications

BASIC COMPOSITION: Silicone oil & Ester & Lithium soap

COLOR: White Translucent paste

TEMPERATURE: - 65 TO 175°c.

NLGI GRADE: 2-3

SPECIFIC GRAVITY: 0.98 g/cm³

PENETRATION: (ASTM D217) 240-300