



LUBRICANT
GREASE

LOAD RESISTANT GREASE

HTLR Grease 1930-2

HTLR Grease is based on lithium soap with solid lubricants, designed for heavy-duty industrial use operating under conditions of heavy load. Suitable for all types of bearings operating over a wide speed range. Excellent for splined shafts, threaded drive spindles, couplings, exposed slideways, gear guides, 5th wheel, CV Joints in automobiles, construction equipment, conveyors, farming and mining equipment.

XHTLR Grease 1931-2

XHTLR Grease is a high load, high-temperature resistant grease, based on lithium complex with solid lubricants, designed for heavy-duty industrial use. Useable in all types of bearings operating over a wide speed range, splined shafts, threaded drive spindles, couplings, exposed slideways, gears and guides, 5th Wheel, cv Joints in automobiles, construction equipment, conveyors, farming and mining equipment.

HTMP Grease 1999-2

HTMP Grease is a low-cost, multi-purpose grease, based on lithium soap with solid lubricants designed for heavy-duty industrial use in all plain bearings and machine elements operating over a wide temperature range. Beneficial to all surfaces exposed to heavy sliding and rubbing. Effective in permanent mold casting of aluminum and as a plunger lubricant in aluminum and copper die casting. Used on extrusion dies, die assemblies, dummy blocks, shear blades, and hot billet ends. Also used between leaf springs of motor vehicles.

PTFE Grease 1950-2 / 1951-2

PTFE Grease is a high-performance lithium complex grease fortified with micro PTFE with excellent boundary lubrication properties designed for pins, chassis, tow balls, water pumps, turn tables, clutch release bearings, ball joints, machinery, fans, blowers, roller channels, chains, conveyors, bearing, gears, bushes, guides, cams, valves, slides, pumps, pneumatic tools, blades, and bits. Useable in all types of bearings operating over a wide speed range.

SPECIFICATION

Grade	Appearance	Type	Penetration	Drop Point °C	Base Oil Visc, @40°C	Serviceable Temp °C	Packing
1930-2	Black, Smooth	Lithium	265-295	>190	100-120	-30 to 180°C	1 kg & 21 kg
1931-2	Black, Smooth	Li Co + Moly	265-295	>260	220	-30 to 200°C	1 kg & 21 kg
1999-2	Black, Smooth	Lithium	265-295	195	105	-30 to 130/480°C*	1 kg & 21 kg
1950-2	White/ Off-White	Li Co + PTFE	265-295	>260	220	-30 to 200°C	1 kg & 21 kg
1951-2	Red, Smooth	Li Co + PTFE	265-295	>260	220	-30 to 200°C	1 kg & 21 kg

*Higher temperature indicates the serviceability of the solid lubricant only. The base fluid may decompose at that temperature for long periods.

HIGH PERFORMANCE GREASE

EP Grease 2204-000 / 2204-00 / 2204-0 / 2204-2 / 2204-3

EP Grease is a high-performance, multipurpose lithium grease, designed for heavy-duty industrial use. These greases prevent welding and seizure of moving parts caused by shock loading and water washout.

Used for lubrication of enclosed gears, plain and anti-friction bearings including roller and needle bearings, subject to moderate to high loads at low or high speeds, chassis, conveyor, crusher/shakers, presses, winches, general machinery, and for heavy-duty plain and rolling element bearings in steel plants, paper mills, mining, quarrying, construction, and general industrial machinery.



HIGH PERFORMANCE GREASE

GP Grease 2203-2

GP Grease is an economical, high-performance, water-resistant, multipurpose calcium grease. Used for plain and anti-friction bearings, industrial, agriculture, and farming machinery exposed to water including chassis, suspension, steering systems, and slow-moving axles in automobiles.

LT Grease 2205-2

LT Grease is a high-performance, lithium complex grease based on high viscosity index base fluids. This grease has a longer service life in comparison to other conventional greases and a higher serviceable temperature and is used for bearings subject to moderate to high temperature and speed. Excellent for industrial machinery in glass, steel, cement, metallurgy and mining, hot air fans, electric motors, vibrating shafts, bucket pins, excavators and disc brakes of automobiles.

CPSC Grease 2206-2

CPSC Grease is a calcium petroleum sulphonate complex grease designed to lubricate bearings and equipment operating at high speeds, loads, and temperatures. It has outstanding resistance to water washout and can be used in situations where water contact is unavoidable. Suitable for bearings operating under high speed, high load, and high temperature in harsh conditions in cold and hot rolling mills in steel plants and in the mining industry.

WR Grease 2207-2

WR Grease is a mixed lithium calcium soap, high-performance grease designed for superior lubrication, corrosion protection, and excellent water wash-out resistance in many automotive and industrial applications. It is used for the lubrication of moderate to low-speed bearings, machinery, and components under heavy loads and under frequent water exposure in humid conditions. Suitable for steel mills, rubber mills, hot and cold rolling mills, sugar, chemical, fertilizer, and heavy engineering industries.

PU Grease 2208-2

PU Grease is polyurea thickened designed to lubricate bearings of motors operating at high speeds and temperatures, especially in H-type motors. It is suitable for bearings of electric motors operating at high speed and high temperature and bearings operating under conditions of acidic or alkaline environment Also used for lubrication of friction parts of pumps, wind turbines, etc. operating in harsh conditions.

SPECIFICATION

Grade	Appearance	Type	Penetration	Drop Point °C	Base Oil Visc, @40°C	Serviceable Temp °C	Packing
2203-2	Light Yellow/ Amber	Calcium	265-295	105	62	0 to 70°C	1 kg, 21 kg & 180 kg
2204-000	Amber, Semifluid	Lithium	445-475	160	180	-30 to 130°C	1 kg, 21 kg & 180 kg
2204-00	Amber, Semifluid	Lithium	400-430	170	180	-30 to 130°C	1 kg, 21 kg & 180 kg
2204-0	Amber, Semifluid	Lithium	355-385	180	180	-30 to 130°C	1 kg, 21 kg & 180 kg
2204-2	Amber, Smooth	Lithium	265-295	195	105	-30 to 130°C	1 kg, 21 kg & 180 kg
2204-3	Amber, Smooth	Lithium	220-250	195	105	-30 to 130°C	1 kg, 21 kg & 180 kg
2205-2	Green, Smooth	Li Complex	265-295	>260	220	-30 to 200°C	1 kg, 21 kg & 180 kg
2206-2	Brown/beige	CS Complex	265-295	>320	460	-20 to 230°C	1 kg & 21 kg
2207-2	Smooth, Tacky	Li & Calcium	265-295	190	220-320	-20 to 150°C	1 kg & 21 kg
2208-2	Brown/ Beige	Polyurea	265-295	280	320-460	-20 to 200°C	1 kg & 21 kg

ANTI-SEIZE COMPOUND, PASTE & POWDER

Anti-seize Compound 3030 / 3101 / 3033

Anti-seize Compound is a thread lubricant formulated from solid lubricants (and may contain fine metal powders) which lowers friction and reduces wrench torque. Its use prevents seizure, galling, and corrosion, and permits the reuse of fittings, saving stud, bolt, and nut replacement, prevents seizure. Excellent for gaskets, fasteners, spark plug threads, slides, frame bolts, valve stems, and flange faces. Suitable for nuts, bolts, and studs of general machinery. Useable as a tapping compound. Several grades are available with Copper, Molybdenum Disulfide, and Nickel as key ingredients.

Solid Lubricant Anti-seize Paste 3100

Solid Lubricant Anti-seize Paste is a lubricating preparation, enriched with pure powdered metals and solid lubricants including Molybdenum disulfide which lowers friction and reduces torque for bolted metal joints subject to high temperature. Its regular use prevents seizure and permits the reuse of fittings, saving stud, bolt, and nut replacement. Excellent for gaskets, fasteners, spark plug threads, slides, frame bolts, valve stems, and flange faces. Suitable for nuts, bolts, studs of general machinery, and cylinder head bolts in automobiles.

Used on nozzle head screws in plastic injection molding machines and bolted joints in the chemical industry.

Moly Powder 3777

Moly Powder is a low-friction, metal pre-treatment assembly aid based on pure Molybdenum disulfide powder and is free from other solid lubricants. Having an extremely low coefficient of friction it is used as an ingredient in the manufacture of high-temperature lubricants, assembly pastes, anti-seize compounds, coatings, etc. It is also used as a dry film lubricant in applications where oil and grease are not required.

Assembly Paste 303

Assembly Paste is a low friction, metal pre-treatment assembly aid in paste form and contains a high concentration of Molybdenum disulfide and other specialty solid lubricants. Assembly pastes are designed to prevent damage to surfaces while sliding against each other at high load and low speed such as assembly or disassembly of bearings, press fitting, and 'running in' of plane bearings, assembly of pins, pistons, gears, wheels, flywheels, key-ways, bolt screws and nuts, bushings, spline shafts, slide-ways guides, universal joints, chucks, machine tools, etc.

SPECIFICATION

Grade	Appearance	Type	Penetration	Drop Point °C	Base Oil Visc, @40°C	Serviceable Temp °C	Packing
3030	Metallic Brown	Copper	310-340	None	n/s	-35 to 982°C	1 kg & 21 kg
3101	Smooth Black	Moly	310-340	None	n/s	-30 to 482°C	1 kg & 21 kg
3033	Silver	Nickel	355-385	None	n/s	-54 to 1315°C	1 kg
3100	Brown Black	Copper	290-320	None	n/s	-30 to 650°C	1 kg
3777	Grayish Black	Moly	n/a	None	n/s	-185 to 650°C	1 kg
303	Grayish Black	Moly	310-340	None	n/s	-20 to 450°C	1 kg

SPECIAL PURPOSE GREASE

EC Graf Grease 1990-1

EC Graf Grease is an electrically conductive, mineral oil-based grease formulation containing highly pure micronized graphite and special additives. Used in electrical contacts, conductors, and terminals where electrical conductivity is required. Beneficial to all surfaces exposed to heavy sliding and rubbing. Effective as an anti-seize compound on threaded connectors.



SPECIAL PURPOSE GREASE

Wire Rope Grease 1920-00

Wire Rope Grease is a semi-fluid, high-performance, non-soap, water-resistant Molybdenum disulfide grease, designed to reduce internal and external friction encountered in multi-strand wire ropes. It is used in all kinds of wire ropes used in Industry and equipment.

Non-Melt Grease 3330-2 / 3332-2

Non-Melt Grease is a high-performance synthetic oil/mineral oil-based grease, containing molybdenum disulfide for plain and anti-friction bearings, metal-to-metal contacting substrates involving slow to medium fast movements and light to heavy loaded conditions, particularly at high temperatures. Useful for conveyor bearings, oven chains, kiln oven castors, oven bearings, high-temperature exhaust fan/blower, soot blower bearings, oven damper controls, and furnace door hinges.

Chuck Grease 2004-2

Chuck Grease is an adhesive lubricating preparation containing solid lubricants in a synthetic base fluid. It has been designed for the lubrication of chuck jaws of machine tools and to prevent fretting corrosion and galling. It is particularly designed to lubricate chuck jaws in metal processing machines.

Contact Grease 312

Contact Grease is a soft, buttery textured lubricating preparation based on semi-synthetic fluids. It is applied on electrical and electronic contacts usually made of metal alloys, copper, silver, and brass. It prevents wear, tear, and burnout of contacts, protects from ill effects of moisture, dust, and oxidation, and enhances the electrical performance of contacts.

SPECIFICATION

Grade	Appearance	Type	Penetration	Drop Point °C	Base Oil Visc, @40°C	Serviceable Temp °C	Packing
1990-1	Black, Smooth	Graphite	310-340	None	210-230	-30 to 150°C	1 kg
1920-00	Greyish Black	Moly	400-430	None	460	-20 to 150°C	1 kg & 18 kg
3330-2	Black, Smooth	Moly	265-295	None	>460	-20 to 200°C	1 kg & 21 kg
3332-2	Black, Smooth	Moly	265-295	None	500	-20 to 180°C	1 kg & 21 kg
2004-2	Off White	Semi-synthetic	265-295	>170	>460	-25 to 200°C	1 kg
312	Light Yellow	Semi-synthetic	265-295	>100	n/s	-20 to 100°C	1 kg

SILICONE GREASE

Silicone Grease 17-2 / 210 / 211 / 212

Silicone Grease is a firm, smooth, translucent gel-like, non-melting, lubricant, and release/separation agent.

Silicone Grease is commonly used to lubricate plastic and rubber components due to its excellent compatibility. It works as a seal cum lubricant on rubber O-rings and rubber articles and keeps them soft and flexible during storage and use. It is also used to lubricate automotive control cables due to its non-drying nature and excellence in lubricating metals vs plastic/rubber. Being non-toxic it is used in the food, beverage, hospital, pharmaceutical, and cosmetic industries to lubricate equipment, components, and conveying systems and as an anti-size on threaded connections, where incidental food or human contact is unavoidable.

It is an excellent release agent for epoxy and other resins. Often also used to release rubbers, plastics, and metals during molding/casting operations. Popularly used as a release agent during Roto molding of plastic water tanks and similar items. Also a release agent for plastic extruders, vinyl embossing dies, adhesives, and glues used in plywood manufacturing.



SILICONE GREASE

Silicone Grease 2133-1 / 2133-2

Silicone Grease is a soap-thickened, lubricating preparation, having a soft and buttery consistency. This grease is non-oxidizing, non-gumming, water resistant, and exhibits excellent high and low-temperature resistance. It demonstrates excellent resistance to extreme weather conditions, chemicals such as mild acids and alkalis, alcohol, etc. It is a suitable lubricant for plastic and rubber substrates that cannot withstand prolonged contact with petroleum lubricants and greases. It is available in NLGI 1 & 2 consistencies.

It is commonly used to lubricate roller bearings, and plastic and rubber components in automotive, household, and office electronic equipment etc. It is also used to lubricate and reduce noise in plastic gears of toys, instrumentation, audio-video tape player mechanisms, cameras, automobile switches, etc. Due to their excellent weather resistance, they are used to lubricate equipment exposed to constant environmental attacks such as vending machines, railroad signaling equipment, aerospace, sea-borne equipment.

Silicone Compound 5054

Silicone Compound is a unique suspension of Molybdenum disulfide in a Siloxane Fluid base. It may be used to lubricate plastic, and metal components operating under conditions of high load, high temperature, and severe climatic conditions.

Plastic to plastic surfaces/components, rubber to metal, or plastic to metal surfaces/components of machinery and equipment operating under conditions of high load, extreme weather conditions, high temperature, etc.

Heat Sink Compound 0007

Heat Sink Compound is a thermally conductive, non-curing, non-drying Silicone paste. It is used for maintaining a positive heat-sink seal that improves heat transfer from the electrical/electronic component/device to the heat sink or chassis, thereby increasing the overall efficiency of the component/device. Generally used as a thermal coupling of electrical/electronic devices to heat sinks such as base or mounting studs of transistors, diodes, and rectifiers. Also used as a non-flammable coating for fly-back transformer connections in TV chassis and similar applications.

SPECIFICATION

Grade	Appearance	Type	Penetration	Drop Point °C	Base Oil Visc, @40°C	Serviceable Temp °C	Packing
17-2	Translucent White	Silicone	265-295	None	n/a	-40 to 200°C	1 kg & 25 kg
210	Translucent White	Silicone	265-295	None	n/a	-40 to 200°C	1 kg & 21 kg
211	Translucent White	Silicone	220-250	None	n/a	-40 to 200°C	1 kg & 21 kg
212	Translucent White	Silicone	300-320	None	n/a	-40 to 200°C	1 kg
2133-1	Beige Paste	Silicone	310-340	190	n/s	-40 to 200°C	1 kg
2133-2	Beige Paste	Silicone	265-295	190	n/s	-40 to 200°C	1 kg
5054	Viscous, Black Fluid	Silicone Moly	n/a	n/a	7500-9000	-40 to 200°C	35 kg
0007	Milky White Paste	Silicone HCS	280-320	None	n/s	-40 to 200°C	75 g & 2 kg



CHAIN OILS

Synthetic Chain Oil 401 / 402 / 403 / 404-100 / 404-360

Synthetic Chain Oils are synthetic fluid-based lubricants compounded with special additives. These oils offer superior lubrication and performance in comparison to mineral oil lubricants, especially under conditions of high temperature. Commonly used for chains operating in lithographing ovens, plywood drying ovens, tenter frames in textile mills, chains in glass plants, annealing furnaces, paint and ceramic curing ovens, meat-poultry and food processing factories, and any area where chains are operating at high temperatures. Also lubricates chains of bikes, cycles, and other automobiles. This oil is also useful for the lubrication of gear sets, bearings, circulating oil systems, and worm gear units.

CHAIN OIL

Semi-synthetic Fluid 300

Semi-synthetic Fluid is an ISO VG 68 Semi-synthetic lubricating Fluid that is mildly hazy, straw in color, and free from solid lubricants. This oil has superior wetting and penetrating properties due to which it has excellent adhesion to most metal surfaces including stainless steel, brass, etc. All kinds of sliding surfaces of machinery and components, locks, hinges, and components made of brass, stainless steel, etc.

SPECIFICATION

Grade	Appearance	Type	Penetration	Drop Point °C	Base Oil Visc, @40°C	Serviceable Temp °C	Packing
401	Pale Yellow	PAO	n/a	n/a	198 to 242	-35 to 250°C	5L
402	Black Fluid	PAO+MOS2	n/a	n/a	198 to 242	-35 to 250°C	5L
403	Brown Liquid	Semi-synthetic	n/a	n/a	360±40	-15 to 120°C	5L
404-100	Clear Liquid	Ester	n/a	n/a	100	-30 to 250°C	5L
404-360	Clear Liquid	Ester	n/a	n/a	360	-20 to 250°C	5L
300	Pale Yellow	Semi-synthetic	n/a	n/a	56-75	-20 to 180°C	5L

FULLY SYNTHETIC GREASE



SH Grease 7051-1 / 7051-2 / 7052-00

SH Grease is a fully synthetic, non-melt, high-performance grease, based on synthetic hydrocarbon with solid lubricants having good compatibility with most plastics and excellent water wash-out resistance. It meets the requirements for incidental food contact. Suited for lubrication of plastic to plastic, plastic to metal, and metal-to-metal substrates in automobiles, toys, home, and kitchen appliances, etc. Lubrication of automotive HVAC components and cables, control cables. Lubrication of components and gears in audio and video player mechanisms and machinery in food-related manufacturing facilities.

HSB Grease 2052-2 / 2152-2 / 2475-2

HSB Grease is a fully synthetic, high-performance grease. Designed for bearings operating at high speeds, load, and at low temperatures. Being plastic and rubber compatible, it is recommended for use on plastic-to-plastic, metal-to-plastic, and metal-to-rubber surfaces without any detrimental effect on such substrates. Suitable for high-speed plain and roller bearings, threaded spindles, and ball screws operating under high loads. Lubrication of plastic to plastic, plastic to metal, and rubber to metal components.

SPECIFICATION

Grade	Appearance	Type	Penetration	Drop Point °C	Base Oil Visc, @40°C	Serviceable Temp °C	Packing
7051-1	Milky White	PAO	310-340	None	360-430	-50 to 160/200°C*	1 kg
7051-2	Milky White	PAO	265-295	None	360-430	-50 to 160/200°C*	1 kg
7052-00	White Semi-Fluid	PAO + PTFE	380-400	90	30-60	-30 to 70°C	1 kg
2052-2	Off White	PAO + Li	265-295	210	30-50	-50 to 120°C	1 kg
2152-2	Off White	PAO + Li	265-295	210	100-120	-50 to 120°C	1 kg
2475-2	Off White	PAO, Li, PTFE	265-295	210	30-50	-50 to 120°C	1 kg

*Higher temperature is for short-term exposure only.

DAMPING COMPOUND

Damping Compound

Damping Compound is a tacky, viscous gel that is designed to dampen the free motion of the component to which it is applied. Ordinary lubricants have the property of reducing friction between the mating surfaces, whereas Damping Compound is designed to create more friction and yet make motion smoother and more restricted. This smooth yet restricted or damped motion is free from play and produces a hydraulic/hand-built feel.

The electronics industry utilizes Damping Compound for potentiometers, rotary switches, tape recorder soft ejection assemblies, variable condensers, deflector coils, trimmers, plastic gears, and other components where damping of free motion is required.

The automobile industry uses damping Compound in the production of automobile components, switchgear, mirror assemblies, etc. These greases also provide a smooth and easy motion to oculars, focussing and adjusting on screw and plane contracts.

Other applications include optical equipment, binoculars, radio, telescopes, microscopes, cameras, range finders, surveying and measuring instruments, electronic toys, hinges, builders' hardware, etc.

SPECIFICATION

Grade	Appearance	Type	Penetration	Drop Point °C	Base Oil Visc, @40°C	Serviceable Temp °C	Packing
0001	Pale Brown	Syn Fluid	400-430	180	200-300	10-150	1 kg
0021W	Translucent White	Syn Fluid	72K±12K*	180	200-300	4 to 60	18 kg
0021S	Translucent White	Syn Fluid	400-430	180	200-300	4 to 60	18 kg
0022	Translucent White	Syn Fluid	400-475	180	300-500	4 to 60	18 kg
0022H	Translucent White	Syn Fluid	400-430	180	300-500	4 to 60	18 kg
0023	Translucent Brown	Syn Fluid	445-475	180	300-500	4 to 60	18 kg
0868	Pale Brown	Syn Fluid	355-385	>120	3500-4500	10-180	0.9 kg
9290	Pale Brown	Syn Fluid	175-205	Nil	3500-4500	10-180	1 kg
1520	Pale Brown	Syn Fluid	160-190	Nil	3500-4500	10-180	1 kg
1521	Pale Brown	Syn Fluid	160-200	Nil	3500-4500	10-180	1 kg
1522	Pale Brown	Syn Fluid	160-200	Nil	3500-4500	10-180	1 kg
1523	Pale Brown	Syn Fluid	130-160	Nil	3500-4500	10-180	1 kg
7523	Pale Brown	Syn Fluid	130-160	Nil	3500-4500	10-180	23 kg
7527	Pale Brown	Syn Fluid	80-110	Nil	> 5000	10-180	22 kg

The net volume in aerosol cans is calculated mathematically and is not a verifiable unit of measure. Verification of net contents is best done by weight which is in compliance with the Legal Metrology Act. The package, label, design of products, in commercial supplies, may be different from those displayed in this brochure. The net contents, product nomenclature, specifications may change over a period of time and therefore reliance on the latest technical data sheet is advised.



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