



LUBRICANTS

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BOOK 4: SEALING, ADHESIVES & LUBRICANTS

4.3. LUBRICANTS





Product code - 9091

Sterling LITHPLEX EP2 Multi Purpose NLGI 2 Grease - 450g Cartridge & 2.5kg Tub

500g Tub, 20kg Tub, 180kg Tub - Available Upon Request

Features and Benefits

- Excellent extreme pressure performance
- Stays in place to lubricate and seal effectively
- Good mechanical and shear stability
- Excellent rust and corrosion resistance
- Superior oxidation and thermal stability
- Good low temperature performance and pump ability
- Good high temperature performances

Technical Characteristics

Technical Characteristics	
Appearance	Blue, Tacky
NLGI Classification	2
Thickener	Lithium complex
Temperature range	-20°C to 180°C
Dropping Point ASTM D-2265	260°C +
Worked Penetration, 60 Strokes ASTM D-217	265-295
Base Oil Viscosity @ 40 °C ASTM D445	200
Wheel Bearing Leakage, gm. Loss ASTM D-4290	6.0
Rust Prevention, Rating ASTM D-1743	Pass
Copper Corrosion, Rating ASTM D-4048	1b
Oxidation Stability, PSI Drop ASTM D-942	5
Oil Separation, % Loss ASTM-1742	2.5
Four Ball Wear, mm Scar Dia, Max. ASTM D-2266	0.60
Four Ball EP Weld Point, Min. ASTM D-2596	31.5kg
Timken, OK Load, Kg ASTM D-2509	23



Product code - 9093

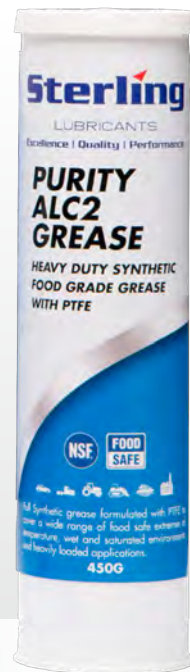
Sterling REDTAK Heavy Duty EP2 Grease - 450g Cartridge

2.5kg Tub, 20kg Tub, 180kg Tub - Available Upon Request

Features and Benefits

- Outstanding film strength and effective EP additive protect against component wear under severe conditions
- Highly effective rust and corrosion inhibitors protect metal surfaces, even under extremely wet conditions
- Formulated to guarantee an excellent level of resistance to water washout to ensure lubrication is maintained under wet and muddy conditions
- The presence of a shear stable tackiness agent ensures that the grease stays in place and resists leakage, even in the most severe and shock load conditions
- High viscosity base oil components have an excellent oxidation resistance that provides long service life

Technical Characteristics		
Appearance		Red, Tacky
NLGI Classification		2
Thickener		Lithium
Temperature range		-20°C to 140°C
Dropping Point ASTM D-2265		225°C +
Worked Penetration, 60 Strokes ASTM D-217		265-295
Base Oil Viscosity @ 40 °C ASTM D445		300
Rust Prevention, Rating ASTM D-1743		Pass
Four Ball EP Weld Point, Min. ASTM D-2596		335kg
Timken, OK Load, Kg ASTM D-2509		28



Product code - 6202

Sterling PURITY ALC2 Synthetic Food Grade Grease w/ PTFE - 450g Cartridge

20kg Tub, 180kg Tub - Available Upon Request

Features and Benefits

- EPTFE provides excellent anti-wear performance prolonging component life and reduces operating temperatures
- Wide performance characteristics enable standardisation to one product for most food safe applications
- Provides long term lubrication at high temperatures, extending lubrication intervals
- Exceptional degree of water resistance providing lasting lubrication and protecting against corrosion
- NSF: H1 registered (Lubricant with incidental food contact for use in and around food processing areas)

Technical Characteristics

Technical Characteristics	
Appearance	Off-White, Tacky
NLGI Classification	2
Thickener	Aluminium complex
Temperature range	-50°C to 170°C
Drop Point IP 132	>230°C +
Water washout @ 38°C ASTM D1264	<1% max.
Base Oil	A Blend of Synthetic Oils
Base Oil Viscosity @ 40 °C, cSt ASTM D445	300
Base Oil Viscosity @ 100 °C, cSt ASTM D445	31
Copper corrosion IP112	Negative
Dynamic corrosion resistance (EMCOR) IP 220	0:0
Shell Four Ball Weld Load IP 239	450kg
dN factor	500,000



Product code - 9095

Sterling TUFF STUFF High Performance MP EP2 Grease - 450g Cartridge

2.5kg Tub, 20kg Tub, 180kg Tub - Available Upon Request

Features and Benefits

- Protects and lubricates all moving parts particularly under heavy or shock loading conditions
- Excellent mechanical stability that is very important in vibrating environments as inferior mechanical stability can cause the grease softening with loss of lubrication performance and leakage
- Formulated to guarantee a much-improved level of resistance to water wash-out to extend bearing life in wet environments
- Excellent oxidation resistance that provides long service life
- Extra protection against rust and corrosion promotes effective lubrication under difficult environments that may be corrosive or rust prone service situations

Technical Characteristics	
Appearance	Black
NLGI Classification	2
Thickener	Lithium Complex
Temperature range	-20°C to 175°C
Dropping Point ASTM D-2265	260°C +
Worked Penetration, 60 Strokes ASTM D-217	265-295
Base Oil Viscosity @ 40 °C ASTM D445	320
Load Wear Index, Kgs, Min ASTM D-2596	40
Four Ball EP Weld Point, Min. ASTM D-2596	600kg
Timken, OK Load, Kg ASTM D-2509	34
Molybdenum Disulfide, %	5.0 Min

MARINE Grease



Product code - 9102

Sterling MARINE High Performance MP NLGI 2 Grease - 100g Tube, 450g Cartridge & 500g Tub

2.5kg Tub, 20kg Tub - Available Upon Request

Features and Benefits

- Enhanced protection against rust and corrosion
- Protects against shock loadings
- Excellent resistance to water wash out
- Long service life
- Lead and chlorine free.
- Good pumpability
- Contains tackiness additives to help grease stay in place

Technical Characteristics

Technical Characteristics	
Appearance	Green
NLGI Classification	2
Thickener	Calcium Sulfonate
Temperature range	20°C to +180°C. Short term exposure to + 200°C
Dropping Point ASTM D-2265	>320°C +
Base Oil Viscosity @ 40 °C ASTM D445	300
Water Washout. Wt %, Max ASTM D-1264	2.5
Water Spray Off, % Max ASTM D-4049	15
Rust Test, Rating ASTM D-1743	Pass
Four Ball Wear, mm Scar Dia, Max. ASTM D-2266	800
Four Ball Weld Load, Min ASTM D-1763	0.48
Timken, OK Load, Kg ASTM D-2509	29



Product code - 9098

Sterling RUBBER Grease - Red - Automotive - 100g Tube & 500g Tub

18kg Tub - Available Upon Request

Features and Benefits

- Fully biodegradable
- Resistant to solvents
- Excellent rubber compatibility
- Good corrosion protection

Technical Characteristics	
Appearance	Smooth grease
Colour	Red
NLGI Classification	2
Thickener	Inorganic
Base oil Viscosity @40°C (IP 71)	202 cSt
@100°C	12.5 cSt
Worked penetration (IP50)	265 to 295
Base Oil	A Blend of Vegetable Oils
Dropping point (ASTM D2265)	>260
ASTM 471 70Hrs @70°C	
Effect on natural rubber (volume change)	+1% to +6%
Effect on neoprene rubber (volume change)	-10% to +10%
High temperature stability @ 120°C	no polymerisation
Biodegradability,% 21 days, CEC-L-33-A-93	85 to 87
Operating temperature range	-9°C to +110°C



Product code - 7102

Sterling MULTILUBE Synthetic Chain and Multi Purpose Spray - 400g Aerosol

Features and Benefits

- Good water displacement and penetration properties.
- Penetrates to the working surfaces reducing wear and extending component life
- Tackiness additives ensure non-drip, no fling thus providing lasting lubrication
- An excellent adhesive characteristic ensure a high degree of water resistance
- Protects parts from corrosion even in the presence of acidic materials
- PAO (polyalphaolefin) base oil provides extremely wide temperature range, shear and thermal stability.
- NSF: H1 registered (Lubricant with incidental food contact for use in and around food processing areas)

Technical Characteristics

Technical Characteristics	
Appearance	Water white tacky oil
Odour	Virtually odourless
Base oil	Fully synthetic
Propellant	Hydrocarbon
Kinematic Viscosity (ASTM4451) @ 40oC (typical)	220 cSt
@ 100oC	23.7 cSt
Viscosity Index (ASTM D2270)	135
Copper corrosion (ASTM D130)	1b
Evaporation Loss 6.5 hrs @ 205oC, % mass	4.0
Operating temperature range	30°C to +240°C
Flash Point	>60°C
Solubility	Insoluble in water

ULTRA XHP Grease

Heavy Duty Grease - Lithium Complex



Product code - 9113

Sterling ULTRA XHP Heavy Duty Lithium Complex EP2 Grease - 450g Cartridge

400g Aero, 500g Tub, 2.5kg Tub, 20kg Tub, 180kg Tub - Available Upon Request

Features and Benefits

- High viscosity base oil and tackiness resists 'squeeze out' from surfaces under loads
- PTFE is a premium film medium that reduces friction thus increasing lubrication and reducing operating temperatures. Protects against wear on all moving parts from shock loadings to unusually high-load service conditions
- High weld load minimises scuffing and increases wear protection under high load and shock load conditions
- Excellent high shear stability and high temperature operation
- Excellent resistance to water and water wash-out even at elevated temperatures

Technical Characteristics	
Appearance	Purple, Smooth & Tacky
NLGI Classification	2
Thickener	Lithium complex
Temperature range	-20°C to 185°C to 210°C intermittently
Dropping Point ASTM D-2265	250°C min
Worked Penetration, 60 Strokes ASTM D-217	285-305
Water Washout, Wt %, Max ASTM D-1264	3.0
Base Oil Viscosity @ 40 °C ASTM D445	620cSt
Copper Corrosion IP112	Pass
Four Ball Wear, mm Scar Dia, Max. ASTM D-2266	0.48
Four ball EP Weld Load, Min ASTM D- 1763	500kg



Product code - 9097

Sterling SILICONE H1 Grease - 100g Tube & 500g Tub

400g Aero, 2=.5kg Tub, 20kg Tub - Available Upon Request

Features and Benefits

- PTFE is a premium film medium that reduces friction thus increasing lubrication and reducing operating temperatures. Protects against wear on all moving parts from shock loadings to unusually high-load service conditions.
- Resistant to many chemicals, hot and cold water, low pressure steam, and many gasses
- Excellent dielectric properties for effective insulation
- Highly compatible with most types of rubber seals
- Highly resistant to oxidation and shear breakdown
- Extremely water resistant, wide temperature range
- Non toxic. NSF: H1 registered (Lubricant with incidental food contact- for use in and around food processing areas)

Technical Characteristics	
Appearance	White semi-translucent grease
NLGI Classification	2 1/2
Thickener	Inorganic Thickener
Drop point (IP 132)	Non melting
Base oil	High viscosity silicone oil
Worked Penetration	220-270
Copper corrosion (IP112)	Pass
Dielectric Strength	16kV/mm
Water washout (ASTM D1264) @ 38°C	<2% max.
Dynamic corrosion resistance (EMCOR) (IP 220)	0:1
Shell Four Ball (IP239) Weld load	180kg
Mean Hertz Load	30kg
dN factor	200,000
Operating temperature range	-55°Cto +205°C



Product code - 9099

Sterling COPPER Anti-Seize Compound - 100g Tube & 500g Tub

400g Aero, 450g Cartridge, 18kg Tub, 20kg Tub, 180kg Tub - Available Upon Request

Features and Benefits

- Prevents seizure and galling during assembly.
- Enables the easy dismantling of corroded component.
- Provides highly effective anti-seize in aggressive conditions, including chemical environments and salt water
- Enables components to be reused after dismantling

Technical Characteristics	
Appearance	Copper coloured smooth paste
NLGI Classification	1.5
Thickener	Organically modified clay
Dropping point	Above 280°C
Lubricating solids	Copper, graphite
Solids content	>20%
Electrical conductivity	Excellent
Anti-seize temperature range	-30°C to 1100°C
Coefficient of Friction	0.12

OTHER STERLING LUBRICANTS Products

Grease and Compounds



DYNA-MITE Grease

Heavy duty grease for high load applications



BENTONE NO-MELT Grease

Multi-purpose high temperature non-melting grease



PETROLEUM Jelly

General purpose food grade petroleum jelly



LITHMAX Grease

Multi purpose extreme pressure industrial & automotive grease



SUMMIT CSC 2 GREASE

Water resistant extreme pressure calcium sulfonate grease



Concrete Release

DUOGUARD 64 CPS

Extreme performance concrete release agent

MOULD OIL 10

High grade concrete release agent

DUOGUARD BIO 20

Premium concrete release agent

DUOGUARD BIO 25 ULTRA

Ultra high performance concrete release agent



Industrial Oils

SYNGEAR IGO

Heavy duty, PAO full synthetic industrial gear oil

SYNAIR ELITE

Premium PAO & ester anti-wear compressor oil

THERMAL HT

High performance, long life heat transfer oil

MAXAIR PRO

Full synthetic long life air compressor oil

INGEAR IGO

Heavy duty industrial gear oil

AIR TOOL OIL

High grade anti-wear performance fluid

MAXIM

Premium group 2 anti wear hydraulic oil

MAXIM HVI

Premium group 2 HVI hydraulic oil



Asphalt Release

DUOGUARD B.A.R

Bitumen & Asphalt remover/cleaner

DUOGUARD HD DETACH 550

Heavy duty Asphalt release



Brick & Tiles Release

DUOGUARD BIO17

BIO release agent for Precast and Roof Tile & Brick manufacturing industries.

MOULD RELEASE 200

Premium concrete and clay mould release agent

Contact our sales team for a quote

Available Upon Request