

Lubricants



87

Lubricating

Your Application

- Temperature resistant
- Thermal stability
- Penetrate and free corroded assemblies

HIGH PERFORMANCE LUBRICATION

Dry Film Lubricant

Aerosol

Solution

LB 8017™

LB 8211™

LB 8108™

Base Oil	Molybdenum Disulfide	PTFE†	PAO†
Viscosity	N/A	N/A	N/A
Temperature Range	-20°F to 750°F (-29°C to 398°C)	-15°F to 500°F (-26°C to 260°C)	-40°F to 500°F* (-40°C to 260°C)
Four Ball Wear Test (mm) (ASTM D-2266)	N/A	N/A	N/A
Food Grade	N/A	N/A	NSF H1

Product Description

LOCTITE® LB 8017™ Moly Dry Film Lubricant

Solid film lubricant for sliding surfaces and slow-moving parts. Temperature resistant up to 750°F (399°C) as a dry film lubricant, 2400°F (1315°C) as an anti-seize. Won't squeeze out, burn off, or pick up dirt.

P/N	Package Size
1786074	12 oz. net wt. aerosol
39896	1.3 lb. can
39897	10 lb. can

LOCTITE® LB 8211™ Krytox® RFE Dry Film Lubricant

High performance, synthetic lubricant designed to provide long-lasting lubrication for parts that require a dry, thin lubricating film. LOCTITE® LB 8211™ Krytox® RFE Dry Film Lubricant provides excellent lubrication properties over a broad temperature range.

P/N	Package Size
30138	8 oz. net wt. aerosol

LOCTITE® LB 8108™ High Performance Synthetic Grease

NLGI Grade 2/Severe Duty GC-LB Grease provides protection against equipment exposed to a wide range of temperatures. Use as a lubricant and protective anti-rust film on bearings and machine parts, or as a release agent on gaskets and seals. **NSF H1 rated for incidental food contact.**

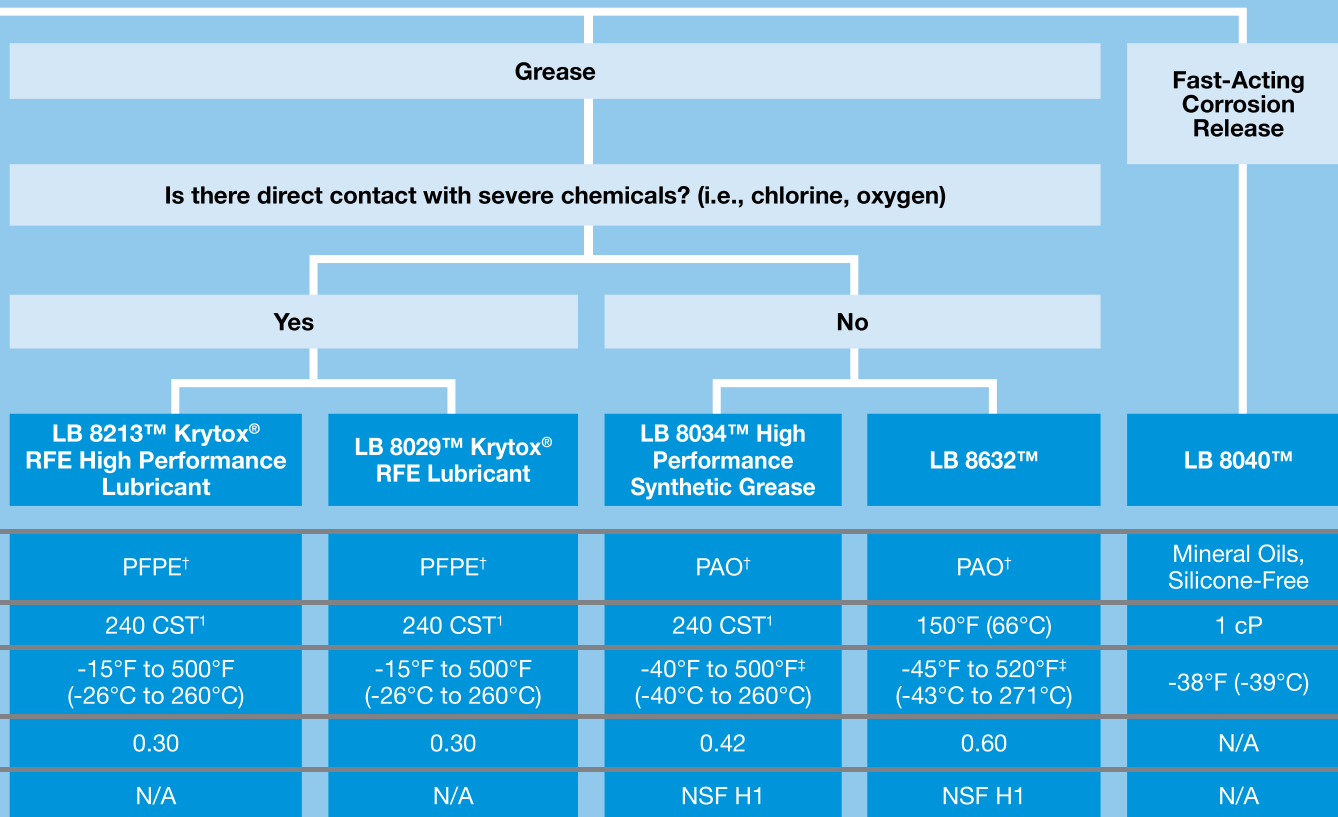
P/N	Package Size
1906102	10.1 oz. net wt. aerosol

† PTFE = PolyTetraFluoroEthylene, PFPE = PerFluoroPolyEther, PAO = PolyAlphaOlefin.

* 400°F (204°C) – Continuous, 500°F (260°C) – Intermittent.

‡ 420°F (216°C) – Continuous, 520°F (271°C) – Intermittent.

† CST at 104°F (40°C).



LOCTITE® LB 8213™ Krytox® RFE High Performance Lubricant

High performance synthetic grease provides long-lasting lubrication for all types of moving and/or sliding parts. Compatible with all plastics, elastomers and metals. Nonflammable, chemically resistant and oxygen compatible.

P/N	Package Size
29711	2 oz. tube
29709	16 oz. cartridge

LOCTITE® LB 8029™ Krytox® RFE Lubricant

Synthetic grease formulated specifically for severe environments. Great for lubricating O-rings. Excellent lubrication properties over a broad temperature range and in chlorine processing. **NLGI Grade 2 grease.**

P/N	Package Size
29710	2 oz. tube
31361	16 oz. cartridge

LOCTITE® LB 8034™ High Performance Synthetic Grease

NLGI Grade 2/Severe Duty GC-LB Grease provides protection against equipment exposed to a wide range of temperatures. Use as a lubricant and protective anti-rust film on bearings and machine parts, or as a release agent on gaskets and seals. **NSF H1 rated for incidental food contact. CFIA Listed.**

P/N	Package Size
36781	3 oz. tube
36782	14 oz. cartridge
36783	400 g can
37061	30 lb. pail

LOCTITE® LB 8632™ Clear High Performance Synthetic Grease

Lasts four times longer than petroleum-based lubricants. Withstands temperatures up to 420°F (520°F intermittent). Contains PTFE for added protection against friction and wear. Nonflammable. Contains no ODCs. Clear in color. **NLGI Grade 2 grease. NSF H1 rated for incidental food contact. CFIA Listed.**

P/N	Package Size
39341	3 oz. tube
39342	400 g cartridge

LOCTITE® LB 8040™ Fast Acting Corrosion Release

The solution for releasing seized or corroded parts. Instantly freezes seized and rusted parts (bolts, nuts, studs) down to -38°F (-39°C). The shock-freeze causes microscopic cracks in the layer of rust, allowing the lubricating ingredient to wick directly into the rust. Dismantle parts in 1 to 2 minutes.

P/N	Package Size
996456	13.52 oz. net wt. aerosol

Lubricants



LOCTITE® ViperLube® Synthetic Lubricant Properties Chart

LOCTITE® PRODUCT		ITEM NUMBER	PACKAGE TYPE/SIZE	TEMPERATURE RESISTANCE	TYPE OF LUBRICANT	VISCOSITY RANGE	POUR POINT (ASTM D 97)	FOUR BALL TEST	NLGI RATING	DROP POINT	SPRAY TEST (ASTM B111)	AGENCY APPROVALS
SYNTHETIC / HIGH PERFORMANCE	LOCTITE® LB 8034™ HIGH PERFORMANCE SYNTHETIC GREASE	36780 36781 36782 36783 37061	1 cc tube 3 oz. tube 14 oz. cartridge 400 g can 30 lb. pail	400°F (204°C) continuous 500°F (260°C) intermittent	Synthetic hydrocarbon (polyalphaolefin-based)	240 CST	N/A	0.45 mm (ASTM D 2266)	2	500°F (260°C) (ASTM D 556)	Pass	NSF H1, CFIA Listed
	LOCTITE® LB 8632™ CLEAR HIGH PERFORMANCE SYNTHETIC GREASE	39341 39342	3 oz. tube 400 g cartridge	420°F (216°C) continuous 520°F (271°C) intermittent	Synthetic hydrocarbon (polyalphaolefin-based)	N/A	N/A	0-60 mm (ASTM D 2266)	2	<590°F (<310°C) (ASTM D 2265)	N/A	NSF H1, CFIA Listed

Grease Compatibility Chart

THICKENER TYPE	CALCIUM SULFONATE VIPERLUBE®	SILICA GEL VIPERLUBE® CLEAR	LITHIUM SOAP	LITHIUM COMPLEX	ALUMINUM COMPLEX	CALCIUM COMPLEX	BARIUM SOAP	SODIUM SOAP	BENTONE	POLYUREA
CALCIUM SULFONATE VIPERLUBE®		SC	FC	FC	NC	FC	SC	NC	NC	NC
SILICA GEL VIPERLUBE® CLEAR	SC		FC	FC	FC	NC	FC	NC	FC	NA
LITHIUM SOAP	FC	FC		FC	NC	FC	SC	NC	NC	SC
LITHIUM COMPLEX	FC	FC	FC		NC	FC	SC	NC	NC	SC
ALUMINUM COMPLEX	NC	FC	NC	NC		NC	NC	SC	NC	NC
CALCIUM COMPLEX	FC	NC	FC	FC	NC		SC	NC	NC	SC
BARIUM SOAP	SC	FC	SC	SC	NC	SC		NC	NC	NA
SODIUM SOAP	NC	NC	NC	NC	SC	NC	NC		NC	NC
BENTONE	NC	FC	NC	NC	NC	NC	NC	NC		NC
POLYUREA	NC	NA	SC	SC	NC	SC	NA	NC	NC	

FC = Fully Compatible

NC = Not Compatible (Mixtures soften severely and do not remain grease-like.)

SC = Somewhat Compatible (Mixtures soften but remain grease-like.)

NA = Not Available

Krytox® RFE Lubricant Properties Chart

LOCTITE® PRODUCT	ITEM NUMBER	PACKAGE TYPE/SIZE	TEMPERATURE RESISTANCE	NON-FLAMMABLE	HIGH LOAD CAPACITY	CORROSION INHIBITORS	COMPATIBLE WITH ALL PLASTICS, METALS & ELASTOMERS	CHEMICALLY RESISTANT	OXYGEN COMPATIBLE*	THERMALLY STABLE	WATER/STREAM RESISTANT	NLGI GRADE
SPECIALTY OILS AND LUBRICANTS	LOCTITE® LB 8209™ KRYTOX® RFE PFPE LUBRICANT (O-RING)	29710 31361	2 oz. tube 16 oz. cartridge	-15°F to 500°F (-26°C to 260°C)	•	•	•	•	•	•	•	2
	LOCTITE® LB 8213™ KRYTOX® RFE HIGH PERFORMANCE LUBRICANT	29711 29709	2 oz. tube 16 oz. cartridge	-15°F to 500°F (-26°C to 260°C)		•	•	All plastics and metals	•	•	•	2
	LOCTITE® LB 8211™ KRYTOX® RFE DRY FILM LUBRICANT	30138	8 oz. net wt. aerosol	-15°F to 500°F (-26°C to 260°C)	Once film is dry		•	•		•	Water-repellent	N/A

* Per BAM 8104-411 & MSFC 106B under specific conditions. Test the proposed application thoroughly before use.

- Dry film lubricants are an ideal choice for “unclean” environments where there is potential for dirt and other contaminants to come in contact with the product. Contaminants will not stick like they would with a standard grease.

HELPFUL HINTS

LOCTITE® Lubricant Applications Chart

	LOCTITE® PRODUCT	ITEM NUMBER	PACKAGE TYPE/SIZE	TEMPERATURE RESISTANCE	FOOD PROCESSING EQUIPMENT	CLOSE- FITTING PARTS	HIGH TEMP	DIELECTRIC COMPOUND	ELECTRICAL EQUIPMENT	GEAR, BEARINGS, CABLE & CONVEYORS	HYDRAULIC UNITS (NOT BRAKES)	FOR HIGH SPEED BEARINGS	FOR LOW SPEEDS & HIGH LOADS	CHAIN- DRIVEN EQUIPMENT	SOLID FILM
SYNTHETIC / HIGH PERFORMANCE	LB 8632™ CLEAR HIGH PERFORMANCE SYNTHETIC GREASE	39341 39342	3 oz. tube 400 g cartridge	420°F (216°C) continuous 520°F (271°C) intermittent	▲		▲		▲	▲		▲	▲	▲	
SPECIALTY OILS & LUBRICANTS	LB 8421™ GEAR / CHAIN LUBE	1906177	12 oz. net wt. aerosol	250°F (121°C)						▲				▲	
	LB 8801™ SILICONE LUBRICANT	51360 81246	5.3 oz. tube 13 oz. net wt. aerosol	400°F (204°C)	▲		■			△				△	
	LB 8017™ MOLY DRY FILM LUBRICANT	1786074 39896 39897	12 oz. net wt. aerosol 1.3 lb. can 10 lb. can	750°F (400°C)			△	△	▲				△	▲	▲
	LB 8713™ SUPER PENETRATING OIL	1865406	12.25 oz. net wt. aerosol	250°F (121°C)		△									
	LB C-200™ HIGH TEMPERATURE SOLID FILM LUBRICANT	39893 39894	1.3 lb. can 10 lb. can	2400°F (1315°C)			▲	△					△		▲
	LB 8711™ PENETRATING OIL	51221	12 oz. net wt. aerosol	100°F (38°C)		△									
	LB 8040™ FAST ACTING CORROSION RELEASE	996456	13.52 oz. net wt. aerosol	N/A		△									
PETROLEUM-BASED GREASES	LB 8042™ WHITE LITHIUM GREASE	30530	1.5 oz. tube	380°F (193°C) (dropping point)						△			▲	△	
	LB 8529™ LITHIUM GREASE	1906122	10.75 oz. net wt. aerosol												
	LB 8423™ DIELECTRIC GREASE	30536 37535	0.33 oz. tube 3 oz. tube	400°F (204°C)			■	■							
	LB 8219™ EXTREME PRESSURE GREASE	51242	14.5 oz. cartridge	450°F (232°C)			■					▲	▲		
	LB 8104™ FOOD GRADE GREASE	51252	14.5 oz. cartridge	450°F (232°C)	▲		■					▲			

△ Good Choice ▲ Preferred Choice ■ Acceptable Choice

CARTRIDGE ACCESSORIES

Go to [page 175](#) to see LOCTITE® branded cartridge accessories as well as other LOCTITE® Branded Consumables.

Can't find what you're looking for? Visit www.equipment.loctite.com or call 1-800-LOCTITE (562-8483).

STRAIGHT FROM *The Source*