



## OPTIMUS LITHIUM COMPLEX GREASE

### PRODUCT DESCRIPTION:

Optimus Lithium Complex are extended service lithium complex greases intended for a wide variety of applications and severe operating conditions. They are formulated to provide excellent high temperature performance with superb adhesion, structural stability and resistance to water contamination. These greases have a high level of chemical stability and offer excellent protection against rust and corrosion.

### APPLICATION:

- **Optimus Lithium Complex EP-00 and EP-0** are used in a wide range of equipment including industrial, automotive, construction and marine applications. Softer, high-temperature greases recommended for centralized grease application systems, gear lubrication, and where extreme-cold-temperature pumpability is important
- **Fricto Lithium EP-1** is recommended for use in industrial and marine applications, chassis components and farm equipment. It provides excellent low temperature performance.
- **Fricto Lithium EP-2** is recommended for industrial and marine applications, chassis components and farm equipment. Its sticky formulation stays in applications longer.
- **Fricto Lithium EP-3** is recommended for applications where good high temperature and anti-leakage properties are required. Especially recommended for severe truck wheel bearing applications or for rolling element bearings subject to vibration, or where higher speeds require a grease with higher consistency to provide channelling characteristics.

### FEATURES & BENEFITS:

- Superb resistance to water washout and spray-off
- Highly adhesive and cohesive structure
- Excellent rust and corrosion resistance
- Very good resistance to thermal, oxidative and structural degradation at high temperature
- Very good anti-wear and EP performance
- Broad multi-purpose application

MEETS OR EXCEEDS THE REQUIREMENTS OF:	NLGI 00	NLGI 0	NLGI 1	NLGI 2	NLGI 3
DIN 51825: (2004-06)	-	-	KP1N-20	KP2N-20	-
Fives Cincinnati	-	P-79	P-72	P-64	-

### TYPICAL PROPERTIES:

TEST	ASTM METHOD	OPTIMS LITHIUM COMPLEX				
		NLGI 00	NLGI 0	NLGI 1	NLGI 2	NLGI 3
Thickener Type		Lithium Complex				
Color		Dark Blue				
Texture		Smooth				
Worked Penetration @ 25°C, 60 Strokes	D-217	415	370	325	280	235
Dropping Point, °C	D-2265	-	250	260	260	260
Timken EP Test, OK Load, lbs	D-2509	40	40	40	40	40
4-Ball Wear, Scar, mm	D-2266	0.5	0.5	0.5	0.5	0.5
4-Ball Weld Load, Kg	D-2596	315	315	315	315	315
Base Oil Viscosity @ 40°C, cSt	D-445	220	220	220	220	220
Operating Temperature Range, °C		-30 to 140	-30 to 140	-30 to 140	-30 to 140	-30 to 140

**HEALTH & SAFETY, ENVIRONMENT:** Prolonged and repeated contact with oil may cause skin disorders. Avoid contact. Wash immediately with soap and water. Do not discharge used oil in to drains or the environment. Dispose to an authorized used oil collection point. For further information on Safety Guidelines please refer to MSDS available on our website [www.lubrex.net](http://www.lubrex.net)