

# VERILA® LITHIUM

## Multi-Purpose • Lithium Grease

**VERILA® LITHIUM** are multi-purpose lubricating greases based on lithium 12-hydroxystearate soap thickener and high-quality mineral base oil. These greases contain antioxidants, rust and corrosion inhibitors and anti-wear additives. Available in NLGI 1, NLGI 2 and NLGI 3 consistency grades.

### Features & Benefits

- Wide Operating Temperature range: from -30°C up to 120°C.
- Mechanical Stability: Excellent. Prevents Leakage.
- Anti-Wear Protection: Very Good. Protects equipment against wear.
- Resistance against water: Very Good.
- Rust and Corrosion Protection: Very Good.



### Applications

General Lubrication of Industrial and Automotive machinery/ equipment operated under normal loads:  
 Construction, Mining and Agriculture equipment ▪ On-road and off-road vehicles ▪ Electro-motors, fans.

Typical Applications are: Plain and Rolling element Bearings ▪ NLGI 1 grade, excellent pump-ability, suitable for centralized lubrication systems ▪ NLGI 3 grade, recommended for declined and vertical shafts applications.



### Technical Data

Grease Classifications				
ISO 6743-9		L-XCCHA 1	L-XCCHA 2	L-XCCHA 3
DIN 51502		K1K-30	K2K-30	K3K-25
Test Parameter	Test Method	Value		
Appearance	Visual	Smooth and Homogenous		
Color	Visual	Yellow-to-Brown		
Thickener		Lithium 12-hydroxystearate		
Base Oil Viscosity at 40°C, mm <sup>2</sup> /s	ISO 3104	100		
NLGI Grade	ASTM D217	1	2	3
Operating Temperature Range, °C		-30 to 120		
Cone Penetration, Worked, 0.1 mm	ISO 2137	310 -340	265 -295	220 -250
Dropping Point, °C	ISO 6299	> 180	> 185	> 190
Rust Test, EMCOR	ISO 11007	0-0		
Water Resistance Test, at 90°C	DIN 51 807-1	max 1-90		
Four-Ball Wear Test, Wear Scar, mm	ASTM D2266	max 0.60		



While the information and figures given here are typical of current production and compliant with VERILA specification, minor variations may occur