

Verila Lithium EP

Multi-Purpose • Extreme Pressure (EP) • Lithium Grease

Verila Lithium EP are multi-purpose, extreme pressure (EP) lubricating greases based on lithium 12-hydroxystearate soap thickener and high-quality mineral base oil. These greases contain antioxidants, rust and corrosion inhibitors and extreme pressure/anti-wear additives. Available in NLGI 0, NLGI 1, NLGI 2 and NLGI 3 consistency grades.

- Wide Operating Temperature range: from -30 up to 120 degrees Celsius.
- Excellent Mechanical Stability prevents softening and leakage.
- Very good Anti-Wear & High Load Carrying Capacity, EP greases, protect equipment exposed to high loads.
- Very Good Resistance against water.
- Very Good Rust and Corrosion Protection.



Wide range of Industrial and Automotive machinery/equipment: Construction, Mining and Agriculture equipment; On-road and off-road vehicles; Heavy Industrial machinery, electro-motors, fans. Typical Applications are: Highly Loaded Plain and Rolling element Bearings; Joints, Axles, Pins and Bushings; NLGI 0 and NLGI 1 grades have excellent pumpability, suitable for centralized lubrication systems; NLGI 3 grade, recommended for inclined and vertical shafts applications even under severe vibrations.



Technical Data

Grease Classifications					
ISO 6743-9		L-XCCHB 0	L-XCCHB 1	L-XCCHB 2	L-XCCHB 3
DIN 51502		KP0K-30	KP1K-30	KP2K-30	KP3K-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 ² /s	ISO 3104	100			
NLGI Grade	ASTM D217	0	1	2	3
Operating Temperature Range, °C		-30 to 120			-25 to 120
Cone Penetration, Worked, 0.1 mm	ISO 2137	355 - 385	310 -340	265 -295	220 -250
Dropping Point, °C	ISO 6299	> 175	> 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 EP Test, Weld Point, N	ASTM D2596	2500			



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