

VERILA® LiCa

Widely Used • Water Resistant • Lithium & Calcium Grease

VERILA® LiCa is lithium-calcium soap thickened lubricating grease, available in three consistency grades, NLGI 1, NLGI 2 and NLGI 3. The blend of lithium and calcium soaps ensures an outstanding water resistance performance combined with very good lubricity. This makes LiCa greases suitable for a very large range of applications in all the domains from industrial to agricultural and some automotive applications. One application of election of this grease is the extraction of sand and stones from the earth, from surface excavations, application where the water is present in abundance.

Features & Benefits

- Water resistance: Excellent in wet working environments.
- Lubricity and Protection against wear: Very Good. Protect equipment.
- Adhesion Properties: Very Good. Stay in place. Will not leak.
- Protection against rust and corrosion: Excellent. Even when grease gets contaminated with water.



Applications

VERILA® LiCa is a universally used grease, with very good water resistance, suitable for lubrication of all kind of bearings and joints operating under moderate loads and where operating temperature does not exceed 110°C. Intended for automotive and industrial applications, especially: agricultural, off-road, construction equipment. NLGI 1 grade is especially recommended where exceptional pump-ability is required.



Technical Data

Grease Classifications				
ISO 6743-9		L-XCBHA 1	L-XCBHA 2	L-CCCHA 3
DIN 51502		G1G-30	G2G-30	K3K-30
Test Parameter	Test Method	Value		
Appearance	Visual	Smooth and Homogenous		
Color	Visual	Red		
Thickener		Lithium and Calcium		
Base Oil Viscosity at 40°C, mm ² /s	EN ISO 3104	100 Typical		
NLGI Grade	ASTM D217	1	2	3
Operating Temperature Range, °C		-30 to 110		
Cone Penetration, Worked, 0.1 mm	ISO 2137	310 -340	265 -295	220 -250
Dropping Point, °C	ISO 6299	> 170	> 175	> 175
Corrosive Effects on Copper, 3h at 100°C	ASTM D4048	max 1		
Water Washout Test @ 80°C, wt.% loss	ISO 11009	< 10%		
Water Resistance Test	DIN 51 807-1	max 1-90		



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