PETROTM OIL

LUBENZ NANO GREASE LITHIUM BASE

Product Data Sheet

Product Description

LUBENZ NANO GREASE LITHIUM BASE are high performance greases, formulated with lithium based thickeners and extreme pressure additive system to provide extra protection against wear, rusting and water washout. They are available in NLGI grades ranging from 000 to 3, with base oil viscosities ISO VG 150, 320 and 460. They are suitable for most types of Automotive and Industrial applications, including heavy-duty applications where high unit pressures are present. LUBENZ NANO GREASE LITHIUM BASE are suitable for operating temperatures range from -20°C to 130°C, while LUBENZ NANO GREASE LITHIUM BASE are suitable for operating temperatures range from -25°C to 120°C.

Features & Benefits

- ***Outstanding load carrying capacity*** - reduces wear under heavy or shock loading and vibrations, for good equipment reliability and performance.
- ***Excellent corrosion protection*** - protects bearing surfaces against corrosion, even when the grease is contaminated with water.
- ***Good Oxidation and Thermal stability -*** protects against deposit formation at high operating temperatures and oil thickening, thus maintains the life and performance of grease.
- ***Excellent resistance to water washout*** - resists washout of grease in equipment and provides good lubrication even in presence of water.
- ***Superior mechanical stability*** – resists grease softening in application, where extended mechanical working and high vibrations leads to subsequent loss of lubrication performance and leakage.

Application

LUBENZ NANO GREASE LITHIUM BASEare suitable for most types of Automotive and Industrial applications.

- LUBENZ NANO GREASE LITHIUM BASE are suitable for centralized lubrication systems and other applications where low temperature performance and effective leakage control are required.
- LUBENZ NANO GREASE LITHIUM BASE suitable for multipurpose applications in antifriction and plain bearings, bushings and pins, operating under moderate to severe conditions.

Typical Characteristics

LUBENZ NANO GREASE LITHIUM BASE	Test Method	Units	EP 000	EP 00	EP 0	EP 1	EP 2	EP 3
NLGI Grade	ASTM D 217	--	000	00	0	1	2	3
Thickener Type	--	--	Lithium	Lithium	Lithium	Lithium	Lithium	Lithium
Penetration, Worked @ 25 ^{0}C	ASTM D 217	0.1mm	445-475	400-430	355-385	310-340	265-295	220-250
Viscosity @ 40 ^{0}C	ASTM D 445	cSt	460	320	160	160	160	160
Dropping Point	ASTM D 566	°C	-	-	190	190	190	190
4-Ball Wear, Scar test	ASTM D 2266	mm	0.5	0.5	0.4	0.4	0.4	0.4
4-Ball Weld Load	ASTM D 2596	Kg	240	240	250	250	250	250

The above figures are typical of blends with normal production tolerance and do not constitute a specification.