

Eiffel Protect Grease ESP EP Series

High Performance Lithium based - Extreme Pressure Grease



Product Data Sheet

Product Description

Eiffel Protect Grease ESP EP series are high performance greases, formulated with lithium based thickeners, extreme pressure additive system and special tackifying agent to provide extra protection against wear, rusting and water washout. They are available in NLGI grades ranging from 1 to 3 with base oil viscosity of ISO VG 220. They are suitable for most types of Automotive and Industrial applications, including heavy-duty applications where high unit pressures are present. EP 1, 2 & 3 greases are suitable for operating temperatures range from -20°C to 130°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

Eiffel Protect Grease ESP EP series are suitable for most types of Marine, Automotive & Industrial applications.

- Eiffel Protect Grease ESP EP 1 are suitable for centralized lubrication systems and other applications where low temperature performance and effective leakage control are required.
- Eiffel Protect Grease ESP EP 2 and ESP EP 3 are suitable for multipurpose applications in antifriction and plain bearings, bushings and pins, operating under moderate to severe load conditions.

Typical Characteristics

Eiffel Protect Grease	Test Method	Units	EP 1	EP 2	EP 3
NLGI Grade	ASTM D 217	--	1	2	3
Thickener Type	--	--	Lithium	Lithium	Lithium
Penetration, Worked @ 25 °C	ASTM D 217	0.1 mm	310-340	265-295	220-250
Viscosity @ 40 °C	ASTM D 445	cSt	220	220	220
Dropping Point	ASTM D 566	°C	190 (min)	190 (min)	190 (min)
4-Ball Wear, Scar	ASTM D 2266	mm	0.4	0.4	0.4
4-Ball Weld Load	ASTM D 2596	Kg	275	275	275
Water Washout	ASTM D 1254	%Wt	4	3	3
Water Spray-off	ASTM D 4049	%Wt	11	5	4

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