

PROTECH EP3

General purpose Special lithium grease for industrial application



Product Description

PROTECH EP3 is a premium-quality, general-purpose grease formulated with a mineral base oil and special lithium soap thickener. It is designed for a wide range of industrial and automotive applications where a stiffer grease consistency is required. The product provides excellent rust protection and high oxidation stability within the recommended operating temperature range, ensuring long-lasting equipment protection.

Features

- Good Mechanical Stability
- Excellent Water Resistance and Rust Inhibiting Properties
- High Load Carrying Capacity
- Excellent oxidation Stability
- Wide Range of Applications.

Application

- Disc brake wheel hub bearings in commercial vehicles such as trucks, trailers, and off-road vehicles.
- Chassis components including U-joints, kingpins, fifth wheels, and bucket pins.
- Heavy-loaded anti-friction bearings in construction and agricultural equipment.
- Clutch bearings, ball joints of suspension and steering systems in passenger cars, trucks, and farm tractors.
- Propeller shafts and vertical shaft applications.
- Bearings with shaft sizes above 100 mm.
- Applications operating under continuous high ambient temperatures above 35°C.
- Suitable for various pumps in water stations.

Packaging

Available pack sizes:

- 1 kg,
- 5 kg,
- 15 kg
- 180 kg

Technical Specifications

Property	Test Method	Value
Appearance	Visual	Smooth & buttery
Color	Visual	Blue
Thickener	-	Lithium
Base Oil	-	Mineral
NLGI Grade	-	3
Worked Penetration @ 25°C	ASTM D217	220 – 250
Dropping Point, °C	ASTM D566	195 °C
Four Ball Weld Load, Kg	IP 239/89	250
Copper Strip Corrosion @100°C / 24h	ASTM D4048	Negative
Corrosion Preventive Test	ASTM D1743	Pass
Oxidation Stability @100h	ASTM D942	Max. 0.2
Base Oil Viscosity @ 40°C	ASTM D445	155
Roll Stability – Penetration Change %	ASTM D1831	Max. 8
Heat Stability, % by mass	BIS-1448	Max. 2
Freedom from Deleterious Particles	ASTM D1404	Nil
Service Temperature Range		-20 °C to +140 °C

Typical Properties are typical of those obtained with normal production tolerance and do not constitute a specification.

Packing

⚠ Health & Safety

- This product is unlikely to present any significant health or safety hazard when properly used and good standards of personal hygiene are maintained.
- Avoid contact with skin and eyes. For detailed health and safety information, please refer to the Safety Data Sheet
- (SDS).