



TECHNICAL DATA SHEET

BISDAX EP 1.5

Synthetic Lithium Bismuth Complex Grease

DESCRIPTION:

Bisdax EP 1.5 is a high-performance lithium bismuth complex thickened lubricating grease based on high-viscosity synthetic oil. The product contains antioxidants, corrosion inhibitors, and features built-in Extreme Pressure (EP) and Anti-Wear (AW) functionality as part of the soap structure, removing the need for conventional EP and AW additives. The special thickener system provides excellent mechanical stability, high load-carrying capacity, and long re-lubrication intervals, even under severe operating conditions. This grease performs reliably in wet, corrosive environments and under heavy loads. Its consistent lubricating behavior and pumpability make it suitable for centralized lubrication systems, such as those used in wind turbines and other industrial applications.



BENEFITS:

SPECIFICATIONS:

- ISO 12924: L-XD(F)DIB1.5
- DIN 51502: KPHC1.5N-40

- Excellent corrosion protection
- High load carrying capacity
- High mechanical stability for extended re-lubrication intervals

TYPICAL PROPERTIES

Thickener		Lithium Bismuth Complex
Base Fluid		Synthetic Oil
Texture		Smooth
Colour	Visual	Pale Orange
NLGI Grade		1.5
Dropping point	°C	>260
Base oil viscosity at 40°C	mm ² /s	460
Base oil viscosity at 100°C	mm ² /s	48
4 Ball Weld load	N	3800
Penetration 60 Strokes		290 - 320
Temperature Range	°C	-40°C to +150°C (Max +220°C)



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All performance data on this Technical Data Sheet are indicative only and can vary during production

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