

HighLoad Li-1500

Heavy-duty adhesive grease for highly-loaded rolling bearings operating at low speeds

HighLoad Li-1500 this heavy-duty grease consists of highly viscous mineral hydrocarbon oil, special lithium soap and particularly effective EP/AW additives. It also contains solid lubricants to ensure reliable operation under starved lubrication conditions. **HighLoad Li-1500** is resistant to ageing and protects reliably against corrosion.

Applications

HighLoad Li-1500 was developed for highly-loaded large rolling bearings running at low speeds as well as toothed gear systems such as industrial and rail traction gear couplings. Typical applications and requirements include: spherical roller bearings in roller presses, bowl mill crushers and rotary crushers in the mining and base materials industries. This grease is also suitable for the lubrication of pivoting bearings and plain bearings in the mining, cement and steel industry. Further applications are found in sugar and paper production as well as in marine and offshore technology.

Performance Features

- Extremely high pressure resistance
- High load capacity
- Excellent protection against wear
- Very good corrosion-preventive ability
- Good resistance to water
- Shock and vibration loads absorption

Technical Data: HighLoad Li-1500

Characteristics	Unit	Value	Test Method
Reference		KPFN-15	DIN 51502
Color		black	
Texture		homogeneous	
Thickener		special lithium soap	
NLGI grade		1	DIN 51818
Kinematic viscosity of the base oil [40°C]	mm ² /s	Approx. 1500	DIN 51562
Kinematic viscosity of the base oil [100°C]	mm ² /s	Approx. 60	DIN 51562
High Temperature range	°C	+150	LLS 134
Low Temperature range	°C	-15	LLS 134
Drop point	°C	>= 180	DIN ISO 2176
Four Ball Test welding load	kgF	350	ASTM D 2596
Four Ball Test wear [40kg, 1h]	mm	0.501	ASTM D 2266

Lubrication Solutions for Industry

KELBOR develops, produces and sells high-performance lubricants and process media all over the world. The product range covers the fields of special lubricants, lubricants for all industry and lubricants for metal working and forming technology. All product formulations are based on latest tribological knowledge.