



Greases of IKL

EXTREMITY

EXTREMITY – PREMIUM HITEMP GREASE is a clay thickened non-soap base smooth structure grease.

EXTREMITY - It offers outstanding performance over a wide temperature range. The wax-free nature of the synthetic base fluid, together with its high viscosity index compared to mineral oils, provide excellent low temperature pumpability, very low starting and running torque, and can help reduce operating temperatures in the load zone of rolling element bearings. The clay thickener gives EXTREMITY a high dropping point value of around 280°C, which provides excellent stability at high temperatures. EXTREMITY resists water washing, provides superior load-carrying ability, reduces frictional drag, and prevents excessive wear.

EXTREMITY Benefits

- Allows wide operating temperature range - outstanding high and low temperature performance
- Provides thicker fluid films protecting against wear of equipment parts operating at high temperature: Reduces wear by minimizing metal-to-metal friction, even under heavy loads
 - Protects metal from rust and corrosion
 - Causes low resistance during start-up at very low temperatures
 - Superb bearing protection and helps extend bearing life and reduce bearing replacement costs
- Avoids excessive wear, even under shock load
- Long relubrication intervals

EXTREMITY proves its possibility to increase the lifetime of IKL Rolling Bearings by effectively lubricating rolling element bearings under conditions of high speeds and temperatures. EXTREMITY has also shown excellent ability to lubricate heavily loaded sliding mechanisms.



Properties and Specifications

Property	Method	Unit	Value
Color	visual	-	Brown Grease
Thickener type	-	-	Clay thickened non-soap base
NLGI-class	DIN 51 818	-	2
Worked penetration	DIN ISO 2137	0,1 mm	290
Dropping point	ASTM D2265	°C	> 280
Base oil viscosity at 100 °C	ASTM 1700	mm ² /s	5,7
Base oil viscosity at 40 °C	ASTM 1697	mm ² /s	29,3
Copper strip corrosion test @ 1000 °C for 24 hrs	ASTM D 4048	Korr.-Grad	Negative