



Technical Data Sheet

LITHOPLEX

Special synthetic EP lubricant grease

Description

LITHOPLEX is a special fully synthetic Lithium-complex EP grease with particularly elevated lubricating properties.

Use / application

LITHOPLEX is suitable for the lubrication of highly loaded roller and friction bearings exposed both to particularly elevated and/or low working temperatures. LITHOPLEX has extremely elevated d/n factor and for this reason is very suitable for the lubrication of high-speed spindle bearings.

Properties

Outstanding wear and oxidation resistance; low starting resistance even at extremely low temperatures; excellent mechanical stability; insoluble in water; protection against corrosion out of ordinary; perfect stability on elevated working temperatures; perfectly suitable for central lubrication systems; d/n factor 1.150.000.

Specifications

KPHC 2 P-50

ISO-L-XDDEB 2

Technical Data

Thickener			Lithium-complex
Classification	DIN 51502		KPHC 2 P-50
Classification	ISO 6743-9		ISO-L-XDDEB 2
Working temperature		°C	-50/+150
Short time admissible temperature peak		°C	180
Drop point	ISO 2176	°C	> 270
Copper corrosion	ASTM D4048	degree	1
Corrosion protection (Emcor Test)	DIN 51802	degree	0
Worked penetration	ISO 2137	1/10 mm	265/295
FAG FE 9 - 150°C (A/1500/6000-150)	DIN 51821-02	h	F50 => 120
FAG WS22 Useful life test		h	F50 => 9000
Base oil viscosity at 40°C	ASTM D445	mm ² /s	30
Water resistance	DIN 51807 T1	degree	1-90