

CNC-LUB PU LF 100/0

HIGH PERFORMANCE POLYUREA GREASE

DESCRIPTION

CNC-LUB PU LF 100/0 stands out as a top-tier polyurea grease, formulated with highly refined mineral oil, polyurea thickener, and various additives. This unique formulation offers a multitude of benefits, including exceptional anti-rust and anti-corrosive capabilities, along with outstanding resistance to extreme pressure conditions. Its advanced composition ensures a prolonged equipment lifespan and enhanced operational efficiency, making it an indispensable choice for demanding industrial applications. With CNC-LUB PU LF 100/0, you can trust in reliable lubrication performance, even under the most challenging operating environments, ensuring optimal equipment performance and longevity.

APPLICATIONS

CNC-LUB PU LF 100/0 is meticulously formulated to meet the exacting lubrication needs of vital moving components found in CNC machines, particularly those manufactured by industry-leading brands like Mazak, Doosan, and Makino. This high-performance lubricant ensures smooth operation and longevity for various critical parts essential for precision machining. Among these components are ball screws, responsible for translating rotary motion into linear motion with precision and minimal friction. Linear guides, crucial for guiding the movement of machine components along designated paths, also benefit from CNC-LUB PU LF 100/0's superior lubricating properties, ensuring consistent

PROPERTIES

- 🔧 Prevent the linear guide from galling or experiencing abnormal wear under high loads.
- 🔧 Suppress the occurrence of rust and provide excellent corrosion resistance against emulsification due to moisture contamination.
- 🔧 Form a robust oil film on the rolling surface of the linear motion guide.
- 🔧 As it allows for timely and appropriate lubrication, it ensures the ideal lubricating effect.

and accurate motion. Additionally, spindle bearings, which support the rotating spindle and transmit power to cutting tools, rely on this lubricant for optimal performance and extended service life. Tool changers, facilitating efficient tool switching for diverse machining tasks, and gearboxes, essential for transmitting power and controlling rotational speed, further benefit from the exceptional lubrication provided by CNC-LUB PU LF 100/0. By using this specialized lubricant, CNC machine operators can maximize uptime, minimize maintenance costs, and achieve peak performance in their machining operations.

ISO-L-XBFIB 0/2

TECHNICAL CHARACTERISTICS

	STANDARD	VALUES	UNITS
APPEARANCE	-	Yellow Grease	-
PENETRATION AT 25°C	ASTM D-217	362	mm ⁻¹
PENETRATION AT 25°C AFTER 10 ⁴ STROKES	ASTM D-217	383	mm ⁻¹
NLGI CONSISTENCY	ISO 2137	0	-
DROPPING POINT	ASTM D-566	248	°C
BASE OIL VISCOSITY	ASTM D-445	100	cSt
WEAR SCAR, 4 BALL TEST	ASTM D-2266	0,507	mm
WELDING LOAD, 4 BALL TEST	ASTM D-2596	620	kg
FRICTION COEFFICIENT	ASTM D-5183	0,080	-
OIL SEPARATION, 24H, 100°C	ASTM D-6184	1,58	%
COPPER CORROSION 24H AT 100°C	ASTM D-4048	1b	-
DENSITY	-	0,9	-