

PETRONAS GREASE Ca 00

Calcium Grease

PETRONAS Grease Ca 00 is a calcium grease specially developed for machine tools used in mining operations.

Formulated with selected mineral base oils enhanced with advanced Calcium 12-hydroxystearate soap, anti-oxidant, anti-rust and corrosion inhibitors additives. PETRONAS Grease Ca 00 provides a high level of protection preventing metal to metal contact between the components of the percussion mechanism. This lubricant is designed to be operated through conventional lubricators to control the grease feed rate into the machine.

Applications

PETRONAS Grease Ca 00 is recommended for use in:

- Pneumatic machine tools and rock drills used in mining operations

Note: PETRONAS Grease Ca 00 is recommended for operating temperature range of 0°C to +60°C.

Features and Benefits

Features	Benefits
Excellent rust & corrosion protection	Protects component surfaces against corrosion, even when the grease is contaminated with water
High resistance to water wash-out	Equipment protection and good lubrication even in presence of water
High oxidation stability	Has a high resistance to oxidation when exposed to high temperature and pressure in the percussion mechanisms and does not form deposits
Controlled grease consumption	The grease consumption can be controlled when fed through most conventional rock drill lubricators

Technical Data Sheet

Revision Date: 28.08.2019 Rev. 02

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Typical Properties

Characteristic	Method	Specification	Ca 00
Thickener Type	-	Calcium	Calcium
NLGI	ASTM D217	00	00
Color	Visual	Brown	Brown
Unworked Penetration, mm/10	ASTM D217	400 - 430	410
Oil Separation, Mass %, Max.	ASTM D1742	6	5
Dropping Point, °C, Min.	ASTM D2265	60	>60
Copper Corrosion	ASTM D4048	1a	1a
Feed rate in Set feed Lubricator @30°C, 4,5 Bar, g/h	Rockdrill Test Rig	60 - 90	60 - 90
Base Oil Viscosity @40°C, cSt	ASTM D445	290 - 310	300

All technical data are provided for reference only / SS is available upon request including quality control limits

Performance Levels

- ISO 12924 L-XB(F)AAA00

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Health, Safety and Environment

This product is unlikely to present any significant health and safety hazards when used in the recommended application. Avoid contact with skin. Wash immediately with soap and water after skin contact. Do not discharge into drains, soil or water.

For further detail regarding storage, safe handling, and disposal of product, please refer to product SDS or contact us at: www.pli-petronas.com.

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