

Molub-Alloy Paste PU

Black high-temperature paste with MoS₂

Description

MOLUB-ALLOY™ PASTE PU (previously named Optimol™ Paste PU) is especially suited for sliding points exposed to high loads and temperatures. The synthetic carrier liquid evaporates at a temperature of about + 200°C/+ 392°F leaving a dry sliding film of solid lubricants that contains MoS₂. It provides a reliable lubrication of the friction partners up to temperatures of + 600°C/+ 1112°F. MOLUB-ALLOY PASTE PU is usually also suited for components which are not resistant to mineral oils.

Application

- Multiple applications in the high-temperature range in brickworks, bakeries, iron and steel works and the ceramics industry - in ovens, kilns and furnace carriages - at hot transport chains and rollers - in sliding bearings and - converters.
- Also for components which are not resistant to mineral oil and which tend to swell e.g. rubber and leather.
- Temperature application range: - 30°C/- 22°F to + 400°C/+ 752°F (+ 600°C/+ 1112°F if hermetically sealed)

Advantages

- Wide application range at high temperatures
- Immediate lubricating effect
- Excellent emergency running properties due to especially selected solid lubricants
- Optimum wear protection
- Extreme load carrying capacity
- Extraordinarily low coefficient of friction
- Anti-corrosive
- Good adhesion
- Economical use

Typical Characteristics

Name	Method	Units	Molub-Alloy Paste PU
Colour	Visual	-	Black
Base oil	-	-	solid lubricants / polyglycol
Worked Penetration (60 strokes @ 25°C / 77°F)	ASTM D217 / ISO 2137	0.1 mm	265-295
Density @ 20°C / 68°F	Inhouse method	kg/m ³	1600
Base Oil Viscosity @ 40°C / 104°F	ASTM D445 / ISO 3104	mm ² /s	64
Water Resistance	DIN 51807-1	Rating	0
Four Ball Wear test - Weld Load	DIN 51350-4	N	4200
Press fit friction test	-	Dyn. coefficient of friction / Vibration	0.134 / No

Subject to usual manufacturing tolerances

Additional Information

Clean surface. Apply a thin and even layer of MOLUB-ALLOY PASTE PU with a brush or a lintfree cloth. Remove excess paste.

The product was previously named Optimol Paste PU. The name was changed in 2015.

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