

**Product Data****Molub-Alloy Paste PL**

Black Assembly Paste with MoS2

Description

MOLUB-ALLOY™ PASTE PL (previously named Optimol™ Paste PL) is especially suited for highly loaded sliding surfaces as well as for base and thin-film lubrication at high pressures and temperatures.

For larger surfaces and lubricating points with difficult access such as bore holes, threads and gear rims we recommend the use of MOLUB-ALLOY PASTE PL SPRAY.

Application

- For screw connections, press and snug fits at high temperatures up to + 600°C/+ 1112°F
- For sliding bearings, bushes and toothed wheels.
- On drive trains in the automotive industry.
- For base lubrication of slide ways, guides and joints.
- For good separation of tool and work piece during hot shaping of metals.
- Temperature application range: - 30°C/- 22°F up to about + 450°C/+ 842°F (in case of reduced air supply up to +600°C/+ 1112°F)

Advantages

- OPTITEC™ - MOLUB-ALLOY technology. Wide range of applications.
- Immediate lubricating effect. Easy spray application.
- Economical in use. Thermally stable.
- Excellent emergency running properties due to especially selected solid lubricants. Maximum load carrying capacity.
- Extremely low coefficient of friction. Good corrosion protection.
- Prevents fretting corrosion. Good adhesion and separation. Prevents stick-slip.

Typical Characteristics

Name	Method	Units	Molub-Alloy Paste PL
Colour	Visual	-	Grey-Black
Base	-	-	Grease-like carrier/MoS2 and solid lubricants w ith synergetic effect/mineral oil
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/m³	1500
Base Oil Viscosity @ 40°C / 104°F	ASTM D445 / ISO 3104	mm²/s	94.0
Erichsen Screw test	DIN EN ISO 16047	total friction	0.07

1 mm²/s ^ 1cSt Subject to usual manufacturing tolerances.

Additional Information

Clean surface. Apply thin layer of MOLUB-ALLOY PASTE PL with a brush or a lint-free cloth. Remove excess paste. Shake MOLUB-ALLOY PASTE PL SPRAY (article no. 08436) well before use. Hold can about 15 - 20 cm (6 to 8 inches) from lubricating point to apply thin and even layer of lubricant. Only for paste-specific applications - cannot replace oil or grease lubrication. Please avoid mixing with other pastes, greases or oils.

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

Molub-Alloy Paste PL
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