

## Castrol Optimol Paste PL

Black Assembly Paste with MoS<sub>2</sub>

### Description

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 OPTIMOL 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™ - OPTIMOL 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	Optimol Paste PL
Colour	Visual	-	Grey-Black
Base	-	-	Grease-like carrier/MoS2 and solid lubricants with synergetic effect/mineral oil
Worked Penetration (60 strokes @ 25°C / 77°F)	ISO 2137 / ASTM D217	0.1 mm	265 - 295
Density @ 20°C / 68°F	ASTM D4052	kg/m <sup>3</sup>	1500
Base Oil Viscosity @ 40°C / 104°F	ISO 3104 / ASTM D445	mm <sup>2</sup> /s	94.0
Erichsen Screw test	DIN 946	total friction	0.07

1 mm<sup>2</sup>/s ^ 1cSt Subject to usual manufacturing tolerances.

## Additional Information

- Clean surface. Apply thin layer of OPTIMOL PASTE PL with a brush or a lint-free cloth. Remove excess paste.
- Shake OPTIMOL 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.

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