

## Optimol Paste HT

Gold-colored separating paste for high temperatures

### Description

OPTIMOL™ PASTE HT is a gold-colored, high temperature assembly paste for thermally loaded screw connections and fits. The extraordinarily good separating ability at temperatures up to + 1100°C/ + 2012°F prevents burning, welding or scaling of connections even for extremely long periods of time.

### Application

- For screw connections and other connections in the high temperature range up to +1100°C/+2012°F
- For fittings and instruments even when subjected to very high pressures, corrosion and thermal influences which require an assembly paste with excellent sealing properties
- Temperature application range: - 30°C/- 22°F up to + 1100°C/+ 2012°F

### Advantages

- OPTITEC™ - OPTIMOL technology
- Easy handling, soft and spreadable consistency
- Extreme load bearing capacity
- Protects against corrosion and scaling
- Prevents welding, seizing and burning
- Excellent separating ability
- Limited resistance to acids and alkaline solutions
- Good sealing effect

### Typical Characteristics

Name	Method	Units	Optimol Paste HT
Colour	Visual	-	gold-coloured
Base	-	-	solid lubricants/grease-like carrier/ synthetic oil
Worked Penetration (60 strokes @ 25°C / 77°F)	ISO 2137 / ASTM D217	0.1 mm	300-330
Density @ 20°C / 68°F	ASTM D4052	kg/m <sup>3</sup>	1371
Base Oil Viscosity @ 40°C / 104°F	ISO 3104 / ASTM D445	mm <sup>2</sup> /s	1237.7
Water Resistance	DIN 51807-1	Rating	0
Erichsen Screw test	DIN 946	total friction	0.11

Subject to usual manufacturing tolerances

## Additional Information

- Clean surface. Apply an even layer of OPTIMOL PASTE HT with brush or lint-free cloth.
- To achieve a good sealing effect, apply OPTIMOL PASTE HT in sufficient quantity down to the thread root.
- Before assembly coarse contamination should be removed from the threads with a steel brush.
- OPTIMOL PASTE HT is only suited for paste-specific applications - it cannot replace oil or grease lubrication.
- Please avoid mixing with other pastes, greases or oils.

Optimol Paste HT

17 Jul 2012

Castrol, the Castrol logo and related marks are trademarks of Castrol Limited, used under licence.

This data sheet and the information it contains is believed to be accurate as of the date of printing. However, no warranty or representation, express or implied, is made as to its accuracy or completeness. Data provided is based on standard tests under laboratory conditions and is given as a guide only. Users are advised to ensure that they refer to the latest version of this data sheet. It is the responsibility of the user to evaluate and use products safely, to assess suitability for the intended application and to comply with all applicable laws and regulations. Material Safety Data Sheets are available for all our products and should be consulted for appropriate information regarding storage, safe handling, and disposal of the product. No responsibility is taken by either BP plc or its subsidiaries for any damage or injury resulting from abnormal use of the material, from any failure to adhere to recommendations, or from hazards inherent in the nature of the material. All products, services and information supplied are provided under our standard conditions of sale. You should consult our local representative if you require any further information.

Castrol Industrial, Technology Centre , Whitchurch Hill , Pangbourne , Reading , RG8 7QR , United Kingdom

[www.castrol.com/industrial](http://www.castrol.com/industrial)