



Product Data

Tribol™ GR PS HT Range

High-temperature Greases

Description

Castrol Tribol™ GR PS HT (previously named Optitemp PS) are solid-free high-temperature greases for highly loaded rolling and sliding bearings at low and medium speeds.

These products feature a water resistance which is exceptional for high-temperature greases as well as an excellent corrosion protection. Tribol GR PS HT Range are easily conveyable in centralized lubricating systems and is therefore especially suited for total loss lubrication.

Application

- Sterilizers in the food and beverage industries.
- Eccentric presses, forging presses.
- Continuous casting plants.
- Calender bearings.
- Bearings in Conti presses in the wood industry.
- Roll stand bearings.
- Temperature application range: - 25°C/- 13°F to + 160°C/+ 320°F (up to +200°C/+ 392°F in case of total loss lubrication)

Advantages

- High wear protection - even at slow speeds. High load carrying capacity.
- Resistant to hot and cold water. High corrosion protection.
- Excellently suited for centralized lubricating systems (Tribol GR PS 1 HT)

Typical Characteristics

Name	Method	Units	PS 1 HT	PS 2 HT
Colour	Visual	-	Brow n	Brow n
Base oil	-	-	Mineral Oil	Mineral Oil
Thickner type	-	-	Polyurea	Polyurea
Worked Penetration (60 strokes @ 25°C / 77°F)	ASTM D217 / ISO 2137	0.1 mm	325	280
Density @ 20°C / 68°F	Inhouse method	kg/m³	910	915
Base Oil Viscosity @ 40°C / 104°F	ASTM D445 / ISO 3104	mm²/s	460	460
Dropping Point	ASTM D566 / ISO 2176	°C/°F	>240/>464	274/525.2
Rust Test - EMCOR (distilled water)	ASTM D6138 / ISO 11007	Rating	0	0
Copper Corrosion (24 hrs 100°C / 212°F)	ASTM D4048	Rating	1	1
Flow pressure @ 200 t of force	EN 51805	HPa	200	850

Tribol™ GR PS HT Range

06 Oct 2020

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

This data sheet 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 they use the product in accordance with the intended application and to comply with all applicable laws and regulations. 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. 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 further information.

Subject to usual manufacturing tolerances.

User Advice
Do not mix Tribol GR PS HT with other greases. In case of doubt please contact the Technical Service.
This product was previously named **Optitemp PS**. The name was changed in 2015

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

http://msdspds.castrol.com