



## High Temperature Grease

Multipurpose high temperature grease

### Description

Castrol High Temperature Grease is a high performance, multipurpose lithium complex grease developed using an optimized combination of high quality mineral oil, proprietary thickener technology and a specially selected additive system enabling reliable performance across a wide range of temperatures whilst exposed to a variety of operational loads, speeds and environmental conditions.

### Application

Castrol High Temperature Grease is intended for use in a wide range of plain and rolling element bearings within the Automotive, Industrial, Marine and Energy Industries, especially targeting those applications where upper operating temperatures are likely to exceed the limits of conventional, lithium thickened greases.

The excellent thermal and mechanical stability of Castrol High Temperature Grease make it particularly suitable for use in bearing applications of higher than normal temperatures.

Castrol High Temperature Grease also offers good resistance to water and corrosion as well as very good load carrying performance making it suitable for general lubrication of bearings, slides & bushes on off-road construction, on shore drilling sites and offshore installations where greater extremes of pressure may be prevalent.

### Features and Benefits

- Excellent thermal and mechanical stability ensure prolonged product integrity across a wider operating temperature range, thus enabling extended relubrication intervals and reduced maintenance.
- Good extreme pressure and anti-wear properties provide the potential for prolonged component life.
- Good water resistance provides enhanced protection in applications where the potential for exposure and contamination are higher.
- Good corrosion protection.
- Excellent multipurpose potential enabling a reduction in product inventory.

## Technical Data

Name	Method	Units	High Temperature Grease
Thickener			Lithium Complex
Base Oil			Mineral
Appearance	Visual		Smooth brown grease
NLGI Grade	ASTM D 217		2
Cone Penetration, Worked 60 Strokes	IP 50	10ths/mm	275
Cone Penetration, Worked 100,000 Strokes	IP 50	10ths/mm	285
Base Oil Viscosity @ 40°C	ASTM D 445	mm <sup>2</sup> /s	180
Dropping Point, Grease	ASTM D566	°C	260
Oil Separation, 18 hrs @ 100°C	IP121	%	7.5
Oil Separation	ASTM D 1742	%	3.6
Water Washout, 1 hr @ 79°C	ASTM D 1264	% wt	3.5
Emcor Corrosion Protection, Distilled Water	IP220	Rating	0 - 0
Corrosion Prevention	ASTM D 1743	Rating	Pass
Pressure Vessel Oxidation, Pressure Drop @ 100 hrs	ASTM D 942	psi	2.0
4 Ball Weld Point	IP 239	kg	310
Wheel Bearing Leakage @ 105°C	ASTM D 1263	g	2.3
Temperature Range			-30°C to +140°C

The above figures are typical of those obtained with normal production tolerance and do not constitute a specification.

## Additional Information

Castrol High Temperature grease is an EP grease and is generally not recommended for electric motor bearings.

## Care and Handling

Avoid prolonged or repeated contact with skin. Wash thoroughly after handling.

## Packaging and Storage

All packages should be stored under cover. Where outside storage is unavoidable drums should be laid horizontally to avoid the possible ingress of water and the obliteration of drum markings. Products should not be stored above 600C, exposed to hot sun or freezing conditions.

High Temperature Grease

29 Aug 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.

**Australia** Level 8 (QV1 Building), 250 St. Georges Terrace, Perth WA 6000, Australia. Customer Service Number +61 (0)8 9420 1854

**Dubai** City Tower 2, 6th Floor PO BOX 1699, Sheikh Zayed Road, Dubai, U.A.E. Customer Service Number +971 4 3079304

**Norway** Drammensveien 167, Box 153 Skoyen, 0212 Oslo, Norway. Customer Service Number +47 22 51 12 43

**Singapore** Keppel Bay Towers, 1 Harbourfront Avenue 02-01, Singapore 098632, Singapore. Customer Service Number +65 6371 8478

**United Kingdom** BlueSky Business Space, Westpoint House, Pavilion 2 Prospect Park, Prospect Road, Amhall Business Park, Westhill. AB32 6FJ, UK.  
Customer Service Number +44 (0)1224 766900

**USA** 501 Westlake Park Boulevard, Houston, Texas 77079, USA. Customer Service Number +1 800 339-7157

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

Page 3 of 3

