



Moly Grease

Multipurpose Grease with Molybdenum Disulphide

Description

Castrol Moly Grease is a multipurpose grease, fortified with solid lubricant and developed for both Automotive and Industrial applications. It is based on an optimised balance of mineral base oil, lithium thickener technology and a specially selected additive system incorporating EP/anti-wear chemistry, antioxidants and corrosion inhibitors. The inclusion of molybdenum disulphide enhances load carrying performance whilst reducing friction, especially in those components where reciprocating or sliding motion is prevalent.

Application

Castrol Moly Grease is suitable for use in a wide range of slow to medium speed bearings where shock loads or excessive vibration is likely and there is a specific requirement for the use of a grease fortified with molybdenum disulphide.

The inclusion of solid lubricant with its friction reducing capability makes Castrol Moly Grease particularly suitable for applications involving reciprocation and/or sliding motion where the prevention of scuffing and fretting is desirable.

The multipurpose nature of Castrol Moly Grease enables its use on both passenger car and commercial vehicle components including flexible joints pivot pins, cams, screw threads, splined shafts, slides and fifth wheels.

Advantages

- Excellent mechanical stability ensure the structural integrity of the grease is maintained, thereby extending relubrication intervals.
- Good extreme pressure and anti-wear properties provide extended protection in loaded applications resulting in longer component life.
- The presence of molybdenum disulphide offers the benefit of reduced friction and resistance to shock loads.
- Enhanced component protection under boundary lubrication conditions.
- Good water resistance and corrosion protection afford longer surface protection in applications with the potential for a degree of water contamination.
- Multipurpose capability increases the potential for reduced product inventories.

Typical Characteristics

Name	Method	Units	Moly Grease
Thickener	-	-	Lithium
Base Oil	-	-	Mineral
Appearance	Visual	-	Smooth, Black/Grey & Homogeneous
NLGI Grade	ASTM D217	-	2
Cone Penetration, Worked 60 Strokes	IP 50	10ths/mm	265 - 295
Dropping Point	IP 396	°C	190
Base Oil Viscosity @ 40°C	ASTM D 445	cSt	150
Dynamic Emcor Corrosion (Distilled Water)	IP 220	Rating	0 - 0
Copper Corrosion, 24 hrs @ 100°C	ASTM D 4048	Rating	1a
4 Ball Weld Point	IP 239	kg	260
Coefficient of Friction	ASTM D 5707	-	0.1
Temperature Range	-	-	-20°C to +120°C

Moly Grease

11 Apr 2014

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.

BP-Castrol (Thailand) Limited, 3 South Sathon Road, Yannawa, Sathon, Bangkok 10120, Thailand
 Technical Advice Line: 662 684 3591 Customer Service: 662 684 3555
www.castrol.com