



Product Data

Optileb™ GR FS 2

Physiologically safe special grease

Description

Optileb™ GR FS 2 (previously called Obeen™ FS 2) is a physiologically safe, fully synthetic NLGI 1-2 grease. It is especially suited for the food, beverage and pharmaceutical industries where there might be a direct contact between the lubricant and the foodstuff or its packaging. Optileb GR FS 2 only contains raw materials which are listed in the Guideline of Security 21 CFR 178.3570 of the FDA and which are in conformity with NSF H1.

Application

As bearing grease in the food industry for the lubrication of rolling and sliding bearings at high speeds like in fillers, closing machines etc. as well as various household appliances and machines in the pharmaceutical and cosmetic industries.

Advantages

- Physiologically safe
- Tasteless and odorless
- Good adhesion
- Resistant to hot and cold water
- Excellent resistance to cleaning agents and disinfectants
- Compatible with sealing materials resistant to mineral oil
- Temperature application range: -30 °C/-22 °F to +140 °C/+284 °F
- Good behavior at low temperatures

Typical Characteristics

Name	Method	Units	Optileb GR FS 2
Colour	Visual	-	amber
Base oil	-	-	PAO
Thickener type	-	-	Al-complex
Worked Penetration (60 strokes @ 25 °C/77 °F)	ASTM D217/ ISO 2137	0.1 mm	295 - 335
Density @ 20 °C/68 °F	IP 530	kg/m³	835
Dropping point	ASTM D566/ ISO 2176	°C/°F	>230/>446

Subject to usual manufacturing tolerances

Additional Information

Please observe the specifications of the plant and machine manufacturers.

Optileb GR FS 2 is not suited for the lubrication of seals made of EPDM materials

This product was previously called Obeen FS 2. The name was changed in 2015

Optileb™GR FS 2

02 Dec 2015

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. 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

<http://msdspds.castrol.com>