



Product information

TF Grease Grease White + PTFE

Bardahl TF Grease White is a high quality white lithium grease with E.P. properties. It contains a very fine grinded PTFE (polytetrafluoroethylene) and a mixture of mineral and synthetic oil.

- Protects against moisture and rust
- Water resistant up to 90°C
- Reduces friction and wear
- Provides lasting lubrication to all moving parts
- Sprays as an oil, but sets like grease

The PTFE-type used in this grease is specially developed for use in greases for conditions where conventional additives such as graphite and molybdenum disulphide are unsuitable. The lubricating performance of these additives under various conditions is summarized in the table here below.

Condition	Graphite	MoS2	PTFE
Dry oxygen	Poor	Moderate	Good
Dry nitrogen	Very poor	Good	Good
Damp air	Good	Poor	Good
Cryogenic temp.	Poor	Poor	Good
High temp.> 300 C	Good	Good	Poor
Vacuum	Poor	Poor	Good
Radiation	Poor	Good	Poor
Very high load, speed	Good	Good	Poor
Low load, high speed	Good	Good	Moderate
Low load, low speed	Good	Good	Good
High load, low speed	Moderate	Moderate	Good
Corrosive environment	Good	Poor	Good

Bardahl TF Grease White offer cleanliness, an important factor in greases intended for machinery in the food, confectionery, pharmaceutical and dairy industries. Also important for many engineering applications is the freedom from "stick-slip" movement from which it is obtained as a result of the equal coefficients of static and dynamic friction of PTFE.

Bardahl TF Grease White is also well suited for applications which require low starting torques and where regular smooth sliding action is essential, for example miniaturized equipment and other mechanisms actuated by low power motors.

Additionally, extreme environmental demands on greases, such as those



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experimented in the aerospace industry where wide temperature ranges, high vacuum conditions at high speeds and heavy loads, can be accommodated by use of Bardahl Tefgrease.

Bardahl TF Grease White will form a soft, continuous film of lubricant and will exclude water from interface boundaries and thus reduce hydrolytic corrosion.

Bardahl TF Grease White is effective for a much longer period than conventional greases so that lubrication frequency may be reduced substantially. It can also be used for lubrication at low temperatures in corrosive conditions, where cleanliness is demanded and where judder-free movement is required.

General applications

Sliding doors, brake and parts mechanisms, steering parts, hinges, linkages, battery terminals, water pumps, bonnet, boot and door locks, seat tracks, antennas, garage door runners etc.

All kind of industrial applications: moving machine parts, bearings, compressors, pumps and valves.

All types of bearings and applications with working temperature between -25°C and +140°C.

Analytical-data

Lith.White grease based (EP2)	
Soap base	: Lithium
Texture	: smooth
Colour	: white
Dropping point	: 180°C
Worked penetration at 25C (60 strokes) (ASTM D-217)	: 265-295
Four ball test (D2596)	
Welding load, kg	: >300
Timken test (D2509) OK LB,	: min 50
Medium Hertz load, kg	: 60
Penetration after 100.000 strokes (ASTM D-217)	: max. -20 +45
Corrosion copper 24 h/100C (DIN 51811)	: max. 1b
Oxidation resistance (ASTM D0942)	: 100 h/100c
Working temp. °C	: -20 / +150
Waterresistant D1264	: 2.5%
PTFE (emulsion)	: > 2%

BARDAHL NL ó OCD INTERNATIONAL

Maxwellstraat 41 - 2216GP Dordrecht - Postbus 9024 - 3301 AA Dordrecht

Tel (078) 6512322 - Fax (078) 6174848 - email: info@bardahl.nl - website: www.bardahl.nl

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Product information

Article number 74504
Contents 400 ml aerosol

Article number 74501
Contents 100 gr

Article number 74514
Contents 400 gr

Article number 74505
Contents 500 gr

Article number 74555
Contents 5 kg

Article number 74582
Contents 20 kg