

HEVOLIT SF-G353

Special grease for aircraft and applications in very low temperatures

Description

HEVOLIT SF-G353 is a soft NLGI 2 grease, based on a synthetic diester oil thickened with a lithium soap. It is fortified with anti-corrosion, antioxidant and anti-wear additives. It also contains 5% of molybdenum disulphide as solid lubricant.

Domain of application

HEVOLIT SF-G353 is designed for airframe lubrication in the temperature range -73 to 121°C. It is particularly suitable for bearings submitted to shock-loading or for parts in sliding motion where the presence of solid lubricants is beneficial.

Product specification

HEVOLIT SF-G353 can be used in the basis of its military approval MIL-PRF-21164 D on Boeing aircraft where the use of the general purpose BMS 3-33 is not allowed.

Application tips

- HEVOLIT SF-G353 shall not be used in contact with elastomers that are incompatible with esters, such as natural rubber, neoprene, nylon or butyl rubbers.
- directives from the manufacturer should be observed.

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Technical Data

| | |
|--|-------------------|
| Article-No. | 463 |
| Color | black |
| Appearance | conform |
| Temperature range | -73 °C bis 121 °C |
| Dropping point, ASTM D 566 | 178 °C |
| Penetrability Unworked, ASTM D 217 | 280 1/10 mm |
| Worked penetration after 60 strokes, ASTM D 217 | 285 1/10 mm |
| Worked penetration after 100 strokes, FTM-S-791-313 | 300 1/10 mm |
| Baseoil | synthetic Diester |
| Thickener | Lithium soap |
| Oil separation, ASTM D 6184, 30 h at 100 °C Mass fraction | 3,2 % |
| Evaporation loss, ASTM D 2595, 22 h at 100 °C Mass fraction | 0,7 % |
| Copper corrosion, ASTM D 4048, 24 h at 100° C Appearance of the strip | 1b |
| Load carrying capacity / Mean Hertz load, ASTM D 2596 | <u>58 daN</u> |
| 4-ball wear scar, ASTM D 2266 | 0,75 mm |
| Oxidation stability under oxygen pressure, ASTM D 942, pressure drop after 100 h | 14 kPa |
| Molybdenum disulphide content, FTM-S-791-3720 | 5 % |
| Bearing performance at 121 °C, ASTM D 3336 | > 1000 h |

Our products are subjected to the most stringent manufacturing verifications and fulfil our own factory specifications. The technical data in this document is based on validated standards. These values may however vary due to application-specific effects (e.g. chemical, thermal, dynamic loads). A guarantee of these properties or of adequacy to a given application cannot therefore be concluded from our indications. Basically, we recommend the execution of tests or verifications.

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Delivery packaging

Packaging unit

| | |
|------------------------------|--------------------------|
| 400 g Pull-Off Cartridge | 10 x 400 g or 24 x 400 g |
| 400 g Lube-Shuttle Cartridge | 10 x 400 g or 24 x 400 g |
| 1 kg PE-Can | 6 x 1 kg |
| 5 kg PE-Can | |
| 25 kg PE-Hobbock | |
| 180 kg Steel drum | |
| other packaging on request | |

*minimum purchase of all packaging are **180 kg**

CLP-/GHS directive (EC) Nr. 1272/2008

No labelling obligation (as of: 06/2015)

Safety data sheets

You may request our up-to-date safety data sheets from us via our website, by mail or by phone.

„Expertise in lubricants“

bedeutet Erfahrung aus 4 Jahrzehnten in Forschung und Entwicklung tribologischer Lösungen. Spezialisierung und Flexibilität machen uns zu einem leistungsstarken Partner unserer Kunden. Anwendungs- und Prozesssicherheit stehen bei uns im Vordergrund. Unsere Spezialschmierstoffe sorgen für reibungslose Wirtschaftlichkeit.

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Zertifiziertes Unternehmen

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