

MOLYKOTE® TTF 52

HIGH PERFORMANCE GREASE

High performance grease for metal/metal combinations with slow to fast movements and moderate to high stresses, especially at low temperatures

FEATURES

- ◆ No drop point, hence no melting or leakage from the lubrication point
- ◆ Grease remains soft and usable down to -52°C
- ◆ Possesses wear-reducing and anti-seize properties due to incorporated solid lubricants
- ◆ Contains no lead or nickel

COMPOSITION

- ◆ Mineral oil
- ◆ Inorganic thickener
- ◆ Solid lubricants
- ◆ Corrosion inhibitor
- ◆ Adhesion improver

APPLICATION

- ◆ Used successfully for sliding and roller bearings, gear systems in transport vehicles, in cold stores, and also for equipment and instruments used in the meteorological service. In addition it conforms to BWB 9150-12-174-2260.

TYPICAL PROPERTIES

Specifications writers: These values are not intended for use in preparing specifications. Please contact Dow Corning GmbH, Wiesbaden, Germany before writing specifications on this product.

Standard*	Test	Units	Result
	Colour		Black
	Consistency, density, viscosity		
DIN 51 818	Consistency class, NLGI		1
ISO 2137	Worked penetration	mm/10	310-340
ISO 2811	Density at 20°C	g/ml	0.92
DIN 51 562	Base oil viscosity at 40°C ¹	mm ² /s	23
	Temperature		
	Service temperature range	°C	-52 to +100
ISO 2176	Drop point	°C	None
ASTM-D147880	Low temperature torque test at -30°C		
	Break-away torque	Nm	153x10 ⁻³
	Torque after 20 minutes running time	Nm	18x10 ⁻³
	Loading capacity, protection against wear, service life		
	Four-ball tester		
DIN 51 350 T.4	Welding force	N	2400
DIN 51 350 T.5	Welding characteristic value with 800N load	mm	2.0
	Almen-Wieland machine		
	OK load	N	7500
	Frictional force with OK load	N	1540
	Resistance		
DIN 51 807 T.1	Water resistance, static evaluation step		1-90
	Oil separation		
DIN 51 817	Standard test	%	6.8

1. Calculated base oil viscosity (without adhesion improver).

* ASTM: American Society for Testing and Materials

ISO: International Standardisation Organisation

DIN: Deutsche Industrie Norm

HOW TO USE

How to apply

Clean the contact areas. As is usual with lubricating greases, apply by means of a brush, spatula, grease-gun or automatic lubrication device. Can be used in central lubrication systems. Do not mix with other greases.

HANDLING PRECAUTIONS

A Product Safety Data Sheet should be obtained from your nearest Dow Corning sales office prior to use.

ATTENTION: Before handling, read product information, Product Safety Data Sheets and container labels for safe use, and any physical and/or health hazard information.

USABLE LIFE AND STORAGE

When stored at or below 20°C in the original unopened containers this product has a usable life of 60 months from the date of production.

Dow Corning will guarantee the usable life of this product until the date indicated on the packaging. This date is shown by the letters "EXP" (meaning Expiry) followed by 4 digits, which stand for the month (last day) and year. Example: "EXP 03/99" means use by 31 March 1999.

PACKAGING INFORMATION

This product is available in different standard container sizes. Detailed container size information should be obtained from your nearest Dow Corning sales office or Dow Corning distributor.

LIMITATIONS

This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

HEALTH AND ENVIRONMENTAL INFORMATION

Dow Corning's Health, Environment and Regulatory Affairs (HERA) Department is available to support customers for their product safety needs. For further information, you can contact this group at:

Dow Corning Europe
HERA Department
Rue Général de Gaulle, 62
B-1310 La Hulpe
Belgium
TEL:
Int +32 (0)2 655 2523
Int +32 (0)2 655 2304
FAX:
Int +32 (0)2 655 2013

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UNITED KINGDOM, NORDIC COUNTRIES, BENELUX, SOUTH AFRICA, EIRE & MIDDLE EAST
Dow Corning
UNITED KINGDOM
Tel: INT + 44 (0)1 676 52 80 00
Fax: INT + 44 (0)1 676 52 80 01

POLAND
Dow Corning Polska Sp. z o.o.
Tel: INT + 48 (0)22 645 14 45
Fax: INT + 48 (0)22 645 14 40

AUSTRIA, GERMANY, SWITZERLAND & EASTERN EUROPE
Dow Corning GmbH
GERMANY
Tel: INT + 49 (0)611 - 23 71
Fax: INT + 49 (0)611 - 237 610

SPAIN & PORTUGAL
Dow Corning Ibérica S.A.
SPAIN
Tel: INT + 34 (0)93 - 405 12 15
Fax: INT + 34 (0)93 - 405 38 94

ITALY & EASTERN MEDITERRANEAN COUNTRIES
Dow Corning S.p.A.
ITALY
Tel: INT + 39 039 - 60 711
Fax: INT + 39 039 - 68 99 660

FRANCE & NORTH AFRICA
Dow Corning France S.A.
FRANCE
Tel: INT + 33 (0)4 72 84 13 60
Fax: INT + 33 (0)4 72 84 13 79

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