

BONDERITE L-FG M 1559 ACHESON

Known as DAG M-1559
April 2019

PRODUCT DESCRIPTION

BONDERITE L-FG M 1559 ACHESON provides the following product characteristics:

Technology	Lubricants
Product Type	Graphite in grease
Application	Forging die lubricant

BONDERITE L-FG M 1559 ACHESON is high temperature grease reinforced with a blend of graphite and molybdenum disulphide and is used for the lubrication of tools, dies and containers in extrusion and forging processes.

BONDERITE L-FG M 1559 ACHESON has been formulated for swab application in the extrusion of copper, steel and other metals, but also offers advantages during other processes where high pressures and temperatures at the metal/tool interface lead to breakdown of normal lubricants.

Special Features:

- Reduces die and tool wear and thus decreases down time.
- Increased extrusion ratios can be employed without lubricant failure.
- Coats tools up to 450°C.
- Permits increased output.
- Minimises pick-up and improves concentricity.
- Ideal for multi-hole practice.
- Does not run down hot surfaces and thus coatings remain in the working area.

Application Areas:

- Horizontal and vertical extrusion of copper based alloys.
- Steel forging.
- Forging and extrusion of refractory metals such as titanium.
- Hot forging of difficult-to-form components.
- Hot drawing of mild steel tube.
- Pressing of steel plates.
- Swaging of steel tubes.

TECHNICAL DATA

(as supplied):

Consistency:	soft
Specific Gravity:	1.1
Worked penetration value in 1/10 mm @ 25 °C:	250 to 290

DIRECTION OF USE

Preliminary Statement:

Prior to use it is necessary to read the **Material Safety Data Sheet** for information about precautionary measures and safety recommendations. Also, for chemical products exempt from compulsory labeling, the relevant precautions should always be observed. Please also refer to the local safety instructions and contact Henkel for analytical support.

Application:

BONDERITE L-FG M 1559 ACHESON is ready for use by swab application; it can also be applied by pumping through automatic systems.

Classification:

Please refer to the corresponding **Material Safety Data Sheets** for details on:

- Hazards identification
- Transport information
- Regulatory information

Storage:

Recommended Storage Temperature, °C	8 to 28
Shelf life, months (in unopened original packaging)	36

ADDITIONAL INFORMATION

Disclaimer

Note:

The information provided in this Technical Data Sheet (TDS) including the recommendations for use and application of the product are based on our knowledge and experience of the product as at the date of this TDS. The product can have a variety of different applications as well as differing application and working conditions in your environment that are beyond our control. Henkel is, therefore, not liable for the suitability of our product for the production processes and conditions in respect of which you use them, as well as the intended applications and results. We strongly recommend that you carry out your own prior trials to confirm such suitability of our product.

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Reference 1.0