

BONDERITE L-GP 6013 ACHESON

Known as Dag 6013
September 2017

PRODUCT DESCRIPTION

BONDERITE L-GP 6013 ACHESON provides the following product characteristics:

Technology	Lubricant
Product Type	Graphite dispersion in solvent
Application	Electrical and dry film lubricant

BONDERITE L-GP 6013 ACHESON is a colloidal dispersion of carbon in MIBK.

It is used for the formation of electrically conductive coatings. These coatings and films show excellent flexibility and adhesion properties.

BONDERITE L-GP 6013 ACHESON therefore is particularly suitable for the impregnation of fabrics.

TECHNICAL DATA

(of wet product)

Pigment	carbon
Binder	thermoplastic resin
Solids content, %	~31
Viscosity, mPa.s (Brookfield 20°C, 20rpm)	~750
Flash Point, °C	14
Density, kg/m ³	970
Diluent	MIBK, MEK, or ethylacetate, depending on required drying rate

Graphite coating:

The ohmic value of the dry coating is 50 to 250 Ohm/sq. at 25 µm thickness, depending on method of application and drying conditions.

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.

Dilution:

BONDERITE L-GP 6013 ACHESON is a concentrate, which needs to be properly homogenized before dilution.

Dilution is effected by slowly pouring the diluent into the product, under continuous stirring.

Application:

It can be applied by brush, spray or dip. The following dilution ratios (by weight) are suggested:

Brush: maximum 0.5 part of diluent to 1 part of BONDERITE L-GP 6013 ACHESON

Spray: maximum 1 part of diluent to 1 part of BONDERITE L-GP 6013 ACHESON

Dip: maximum 1 part of diluent to 1 part of BONDERITE L-GP 6013 ACHESON

The product should be stirred immediately before application.

Drying:

The film is ready for use after drying at the air for at least 4 hours.

However, forced drying at 120 °C for 30 minutes, if possible, will improve the adherence and reduce electrical resistance.

Storage:

Recommended Storage Temperature, °C	5 to 30
Shelf-life, months (in unopened original packaging)	24

Classification:

Please refer to the corresponding **Material Safety Data**

Sheets for details on:

Hazards identification

Transport information

Regulatory information

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.

Any liability in respect of the information in the Technical Data Sheet or any other written or oral recommendation(s) regarding the concerned product is excluded, except if otherwise explicitly agreed and except in relation to death or personal injury caused by our negligence and any liability under any applicable mandatory product liability law.

In case products are delivered by Henkel Belgium NV, Henkel Electronic Materials NV, Henkel Nederland BV, Henkel Technologies France SAS and Henkel France SA please additionally note the following:

In case Henkel would be nevertheless held liable, on whatever legal ground, Henkel's liability will in no event exceed the amount of the concerned delivery.

In case products are delivered by Henkel Colombiana, S.A.S. the following disclaimer is applicable:

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. 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.

Any liability in respect of the information in the Technical Data Sheet or any other written or oral recommendation(s) regarding the concerned product is excluded, except if otherwise explicitly agreed and except in relation to death or personal injury caused by our negligence and any liability under any applicable mandatory product liability law.

In case products are delivered by Henkel Corporation, Resin Technology Group, Inc., or Henkel Canada Corporation, the following disclaimer is applicable:

The data contained herein are furnished for information only and are believed to be reliable. We cannot assume responsibility for the results obtained by others over whose methods we have no control. It is the user's responsibility to determine suitability for the user's purpose of any production methods mentioned herein and to adopt such precautions as may be advisable for the protection of property and of persons against any hazards that may be involved in the handling and use thereof. In light of the foregoing, **Henkel Corporation specifically disclaims all warranties expressed or implied, including warranties of merchantability or fitness for a particular purpose, arising from sale or use of Henkel Corporation's products. Henkel Corporation specifically disclaims any liability for consequential or incidental damages of any kind, including lost profits.** The discussion herein of various processes or compositions is not to be interpreted as representation that they are free from domination of patents owned by others or as a license under any Henkel Corporation patents that may cover such processes or compositions. We recommend that each prospective user test his proposed application before repetitive use, using this data as a guide. This product may be covered by one or more United States or foreign patents or patent applications.

Trademark usage: [Except as otherwise noted] All trademarks in this document are trademarks and/or registered trademarks of Henkel and its affiliates in the U.S. and elsewhere.

Reference **N/A**