

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/m³	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.

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Reference **N/A**