

# BONDERITE L-GP 580 ACHESON

Known as Dag 580  
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## PRODUCT DESCRIPTION

BONDERITE L-GP 580 ACHESON provides the following product characteristics:

<b>Technology</b>	Lubricant
<b>Product Type</b>	Graphite dispersion in solvent
<b>Application</b>	Multi purpose

BONDERITE L-GP 580 ACHESON is a colloidal dispersion of specially processed micro-graphite in ethyl alcohol. It is used for the formation of dry lubricating films and electrically conducting coatings. It is also employed as an anti-seize material on screw threads.

### Application

#### Dry Film Lubrication

The product is particularly suitable for operation under high loads at normal temperatures, e.g. machines for cigarette manufacture and food handling where no traces of any unpleasant odour can be tolerated; office machines, vending machines, parking meters.

#### Electrically Conducting Coatings

Applications include plastic cable treatment; prevention of corona discharge in electrical equipment; electrostatic screening particularly of plastic surfaces; as an electrode in radiation meters and counters; in industrial and radio valves on grids and anodes.

#### Screw Thread Treatment

Normally the product is applied by means of a soft brush after dilution to a suitable consistency. The advantage of the product is the rapid evaporation of the volatile carrier liquid. It is essential that the surfaces to be coated should first be cleaned and degreased.

#### Other Applications

Impregnation of porous materials and incorporation into resins and plastics.

## TECHNICAL DATA

Solids content, %	~23
Density, kg/m <sup>3</sup>	900
Flash Point, °C	14
Diluent	butanol, toluene, butyl-acetate, industrial ethyl alcohol

## 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.

### Pretreatment

Surfaces to be coated should first be cleaned and degreased. On highly polished surfaces a roughening pretreatment like sand blasting or etching will improve adhesion.

### Dilution

BONDERITE L-GP 580 ACHESON must be diluted by slowly adding the diluent to the concentrate, under continuous stirring. The concentrate should be stirred well before it is taken out of its original container.

### Application

After dilution BONDERITE L-GP 580 ACHESON can be applied by spray, brush or dip methods.

The following dilution ratios per volume of product are recommended:

- Brush: 1 to 3 volumes of diluent
- Spray: up to 8 volumes of diluent
- Dip: 1 to 4 volumes of diluent

The diluted product should be stirred before use to maintain a homogeneous suspension.

The films are ready for service after air drying for hour.

### Curing

Depending on the nature of the substrate the films may be cured for 10 min. to 1 hour, at a maximum temperature of 150 °C.

### Storage

Recommended Storage Temperature, °C	5 to 30
Shelf-life, months (in unopened original packaging)	48

### Classification

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

**Hazardous Information**  
**Transport Regulations**  
**Safety Regulations**

## 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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