

# BONDERITE L-GP 502 ACHESON

Known as Dag 502  
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## PRODUCT DESCRIPTION

BONDERITE L-GP 502 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 502 ACHESON is a colloidal dispersion of specially processed micro-graphite in isopropyl 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

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, as an electrode in radiation meters and counters.

#### 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.

## TECHNICAL DATA

Pigment	graphite
Binder	thermoplastic resin
Solids content, %	~20
Viscosity, mPa.s (Brookfield 20°C, 20rpm)	~175
Density, kg/m <sup>3</sup>	890
Flash Point, °C	11
Diluents	isopropylalcohol, industrial ethylalcohol, esters and ketones

## 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.

### Dilution

BONDERITE L-GP 502 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. After dilution BONDERITE L-GP 502 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. The films are ready for service after air drying for 4 hours. Depending on the nature of the substrate the films may be dried for 10 min. to 1 hour, at a maximum temperature of 90°C.

### Film Properties:

Coatings will function up to maximum temperatures between 250°C and 300°C.

The ohmic value of the coating may vary from 1,000 to 2,000 Ohm/square, depending on coating thickness, method of application and drying conditions.

Forced drying improves adhesion and film strength and increases conductivity.

### 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:

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

**ADDITIONAL INFORMATION****Disclaimer****Note:**

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