

BONDERITE L-GP F 425 ACHESON

Known as Dag F-425
November 2019

PRODUCT DESCRIPTION

BONDERITE L-GP F 425 ACHESON provides the following product characteristics:

Technology	Lubricant
Product Type	Boron nitride dispersion in water
Application	Lubrication and release

BONDERITE L-GP F 425 ACHESON is a dispersion of Boron Nitride in water with an acrylic emulsion binder. The lubricating pigment is most effective at temperatures between 500 to 1,000°C.

BONDERITE L-GP F 425 ACHESON is a sprayable release agent developed for use in the fabrication of titanium and aluminium/lithium alloy components by the superplastic forming/diffusion bonding process.

BONDERITE L-GP F 425 ACHESON is suitable for use on other metals and alloys where high temperature release and lubrication properties are required.

TECHNICAL DATA

(as supplied)

Appearance	Creamy fluid
Color:	white
Total solids, %	~20
Viscosity, mPa.s (Brookfield 20°C, 20rpm)	~400
Flash Point:	non flammable
Carrier	water
Diluent	water
Particle size, µm (average)	3

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:

Components should be thoroughly degreased before use. BONDERITE L-GP F 425 ACHESON should be thoroughly stirred before use.

BONDERITE L-GP F 425 ACHESON is supplied ready for use by spray application, roller coating, or dipping.

If a thinner coating is required, BONDERITE L-GP F 425 ACHESON may be diluted with water, in which case the

dilution ratio will depend on the particular application and the coating thickness required.

If the product is diluted, it will require frequent agitation to prevent settling.

Apply in a well-ventilated area.

Allow coatings to dry thoroughly.

BONDERITE L-GP F 425 ACHESON can be force dried at elevated temperature not exceeding 95 °C.

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)	12

Reseal containers after use to avoid contamination. BONDERITE L-GP F 425 ACHESON should be kept in a dry store.

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 1.1