

BONDERITE L-GP 156 ACHESON

Known as Dag 156

November 2015

PRODUCT DESCRIPTION

BONDERITE L-GP 156 ACHESON provides the following product characteristics:

| | |
|---------------------|--------------------------------|
| Technology | Lubricant |
| Product Type | Graphite dispersion in solvent |
| Application | Dry film lubricant |

BONDERITE L-GP 156 ACHESON is a graphite dry lubricant which satisfies the stringent requirements for lubricating the internal and auxiliary equipment mechanisms of commercial and naval nuclear reactor systems.

Extremely high purity graphite particles in thermoplastic resin and isopropanol produce a thin, dry, non corrosive film.

A BONDERITE L-GP 156 ACHESON film resists abrasion and effectively lubricates moving parts, rubbing surfaces, and threaded parts for easier assembly, trouble-free operation and non-destructive disassembly.

BONDERITE L-GP 156 ACHESON maintains a high level of chemical purity.

It provides non corrosive, dry, adherent lubrication for metal parts with limited clearances in applications where control of impurities is required.

Special Features:

- High lubricity
- Thin, dry film
- Prevents, seizing, fretting, galling
- Easy application
- Fast air dry
- Excellent adhesion
- Does not migrate
- Unaffected by frost

Application Areas:

Due to its high stability this product can be used in hard water without the risk of precipitations.

Nuclear reactors, commercial and naval.

TECHNICAL DATA

(as supplied)

| | |
|----------------------------|--------------------------|
| Lubricant | processed micro-graphite |
| Binder | thermoplastic resin |
| Solids content, % | ~3.3 |
| Flash Point (open cup), °C | 11 |
| Density, kg/m ³ | 792 |

| | |
|-------------|-------------|
| Color | black |
| Consistency | liquid |
| Diluent | isopropanol |

Particle size/µm

| | |
|--|----|
| Max. dimension of 90% of the particles | 4 |
| Max. dimension of any particle | 10 |

| | |
|--|------|
| Ash: weight percent, maximum on total solids | 0.75 |
| Fluorine: parts per million, maximum on total solids | 20 |
| Chlorine: parts per million, maximum on total solids | 200 |
| Sulphur: parts per million, maximum on total solids | 200 |
| Lead: parts per million, maximum on total solids | 150 |

DIRECTION OF USE

Preliminary Statement:

Prior to use it is necessary to read the **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:

Substrates should be clean and dry before application. A solvent wipe and air dry is usually sufficient. For critical applications requiring maximum adhesion, mechanical or chemical pretreatment such as grit blasting, phosphating, anodising or etching is recommended.

Dilution:

BONDERITE L-GP 156 ACHESON is supplied ready for use. If further dilution is required by the application, add Isopropanol while stirring thoroughly.

Application:

Shake or agitate well before using. BONDERITE L-GP 156 ACHESON can be applied by spray, brush or dipping.

Curing:

BONDERITE L-GP 156 ACHESON air dries in approx. 5 minutes, depending on temperature and humidity.

Classification:

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

- Hazards identification
- Transport information
- Regulatory information

Storage:

Recommended Storage Temperature, °C 5 to 30

Shelf-life, months 24

(in unopened original packaging)

ADDITIONAL INFORMATION**Disclaimer**

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Reference 0.1