

BONDERITE L-GP T 144 ACHESON

Known as Dag T 144
April 2017

PRODUCT DESCRIPTION

BONDERITE L-GP T 144 ACHESON provides the following product characteristics:

Technology	Lubricant
Product Type	Graphite in water
Application	Conductive cable coating

BONDERITE L-GP T 144 ACHESON is a water based graphite product used for applying an electrically conductive coating on the exterior of the plastic sheaths of cables.

On high tension cables this coating serves as a test electrode for detecting insulating defects, on telephone cables it serves to avoid electrical interference.

BONDERITE L-GP T 144 ACHESON gives a smooth, water-resistant coating.

The product can be applied on poly-ethylene and P.V.C. sheaths.

TECHNICAL DATA

(as supplied)

Pigment	graphite
Binder	thermosetting resin
Solids content, %	~13.5
Viscosity (BS B4 cup), sec	~45
Density, kg/m ³	1,010
Diluent	demineralised water

(of air-dried brush coating on glass)

Sheet resistance	< 120 Ohms/square at 25 µm
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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:

BONDERITE L-GP T 144 ACHESON is ready-for-use. Before application the product must be stirred thoroughly. In order to obtain a well-adherent, water-resistant coating, it is essential to apply the product on a hot cable (120 to 150°C). This can be done by applying the coating immediately after the cable has left the plastic extrusion press.

Application can be done by dip, drip-feed or spray.

The dipping method can be used on thin, flexible cables.

Drip-feed is effected by allowing the product to flow over the cable by means of a circulation pump.

For spray application three spraying nozzles are arranged around the cable at equal distances and at angles of 120° between the nozzles. Immediately after application the residual heat of the cable causes the coating to dry. After drying the coating should be polished by means of rotating brushes. This results in a smooth, shiny coating having a high resistance against water.

Shelf-Life:

- 12 months from date of qualification under original seal.

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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