

BONDERITE L-GP OD EU ACHESON

Known as Oildag EU
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PRODUCT DESCRIPTION

BONDERITE L-GP OD EU ACHESON provides the following product characteristics:

Technology	Lubricant
Product Type	Graphite dispersion in oil
Application	Multi purpose

BONDERITE L-GP OD EU ACHESON is a highly stable dispersion of pure ultra fine graphite particles in solvent refined mineral oil.

It is added to mineral oils to increase their load carrying capacity and to reduce wear in conditions of boundary lubrication.

BONDERITE L-GP OD EU ACHESON may be used undiluted to provide lubrication in particularly severe conditions.

Benefits

- Increases load carrying capacity of oils.
- Reduces wear.
- Remains stable at high temperatures.
- Prevents scoring or seizure.
- Provides thin smooth coatings of graphite on hot surfaces.
- Gives high temperature parting and release action.
- Passes through fine oilways and filters.
- Ensures trouble-free running-in.
- Extends lubrication service intervals.
- Reduces maintenance costs.
- Effective lubricant for all metal surfaces - unlike chemical additives.

Application

High Temperature Bearing Lubrication

Conveyor chains of baking, enamelling and annealing ovens, kiln car bearings, blast valve stems, tyres of rotary kilns.

Assembly Lubrication

Pistons, gudgeon pins, crank shaft bearings, camshafts, valve stems and guides.

Running-In

I.C. Engines, compressors and pumps.

Forging

Lubrication of dies and tools for steel forging and hot pressing, hot brass stamping, high strength light alloy press forging.

Extrusion

Lubrication of dies and tools for aluminium and copper

alloys.

Pressure Diecasting

Die face lubrication and release, lubrication of ejectors, core slides and plungers.

Gravity Diecasting

Lubrication of core slides and pins.

Glass Container Manufacture

Mould and neck ring lubrication.

TECHNICAL DATA

(as supplied)

Lubricating solid	high purity micro-graphite
Carrier	mineral oil
Nitrogen residue, %	~8.2
Viscosity, mPa.s (Brookfield 20°C, 20rpm)	~900
Particle size (majority), µm	1
Particle size (maximum), µm	4 to 5
Density, kg/m ³	960
Flash Point, °C	>200
Diluent	mineral oil, paraffin, white spirit

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.

Dilution & Mixing

We recommend the incorporation of the following percentages by volume of BONDERITE L-GP OD EU ACHESON.

Application	% BONDERITE L-GP OD EU ACHESON	Remarks
Oven conveyor chains	10%	Automatic lubricators are available
Kiln car bearings	10%	Dilute with low carbon forming spindle oil
Blast valve stems	100%	Apply by brush
Rotary kiln tyres	100%	Apply between tyres and pads by spray
Assembly lubrication	100%	
Running-In I.C. Engines	2%	Add to crank case oil

Hot brass pressing	7%	Dilute with paraffin and spray dies
Aluminium alloy forging	25%	Dilute with oil and spray dies
Hot drawing steel shells	100%	Apply to mandrel by swab or brush after quenching
Extrusion aluminium and copper alloys	25%-100%	Swab die mandrel, dilute with oil
Pressure die casting aluminium release agents	10%-20%	Dilute with mineral oil, white spirit or paraffin. Swab or spray dies
Diecasting lubricants	25%-100%	Dilute with mineral oil and apply to ejectors, core slides and plungers by brush or swab
Glass bottle manufacture	10%-20%	Use light low carbon forming oil. Apply sparingly to blank moulds and neck rings by swab or spray

Storage

Recommended Storage Temperature, °C	5 to 40
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:

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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