

# BONDERITE L-GP G ACHESON AEROSOLIZED GRAPHITE LUBRICANT

(Known as AERODAG G)

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**Description:**

BONDERITE L-GP G ACHESON (Known as AERODAG G), which is supplied in a convenient aerosol package, provides a dry film coating which offers superior lubrication and excellent electrical capabilities. It contains highly refined graphite particles suspended in an isopropyl alcohol with a special thermoplastic resin binder. BONDERITE L-GP G ACHESON is easy to apply, fast drying at room temperature, and adheres to all substrates compatible with the carrier.

BONDERITE L-GP G ACHESON offers excellent adhesion to most plastics. This feature, combined with high lubricity and electrical properties, makes BONDERITE L-GP G ACHESON especially valuable in the design of lightweight electrical/electronic parts. Specific advantages offered by BONDERITE L-GP G ACHESON include:

- High lubricity
- Excellent adhesion to metals, glass, plastics
- Good parting ability
- Fast room-temperature cure
- Thin film, 0.0003 to 0.0005 inches (0.008 to 0.013 millimeters)
- Minimum surface pretreatment
- Compatible with most substrates
- Good electrical resistivity
- No ozone-depleting chemicals

BONDERITE L-GP G ACHESON is available in liquid concentrate form as BONDERITE L-GP 154 (Known as Dag 154) (general lubrication applications) and BONDERITE L-GP 154 UN (Known as ELECTRODAG 154) (electrical/electronic applications). For detailed information on electrical applications, refer to the BONDERITE L-GP 154 UN (Known as ELECTRODAG 154) data sheet.

**Typical Applications:****Lubricating and Parting**

Internal combustion engine assembly and run-in  
Mating surfaces of business machine parts  
Sliding surfaces and gears of machine tools  
Intricate mechanisms—vending machines, parking meters  
Automotive and industrial gaskets  
Assembly and run-in of rubber components

**Electrical**

Pulley belt static charge bleed  
Plating printed circuit holes  
Surface and grid coatings for electron tubes, cathode ray tubes  
Plating nonconductors  
Bleed paths  
Shielding

**Physical Properties (as supplied)**

Lubricant : graphite

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Carrier : isopropyl alcohol  
Binder: thermoplastic resin  
Color : black  
Shelf life: two years from date of qualification under original seal  
VOC : 674 g/l

**Physical Properties (as cured):**

Color: black  
Coefficient of friction: 0.15 (static)  
Service temperature: general lubricant -- 400°F (204°C)  
electrical -- 150°F (65°C)  
Intermittent temperature: general lubricant -- 850°F (454°C)  
Sheet resistance: 1.2K ohms/square @ 1 mil

**Method of Use:****Surface Preparation**

BONDERITE L-GP G ACHESON adheres remarkably well to steel, aluminum, stainless steel, glass, copper alloys, rubber, and plastics with a minimum of pretreatment. For best results, substrates should be cleaned with a standard solvent or sandblasted. Substrates should be clean and dry before coating.

**Application**

Shake the container thoroughly before using. To ensure an even coating, spray about 8-10 inches from the substrate. Four to six light passes should build up the required coating thickness. After use, invert the can and press the button once or twice to clear the nozzle.

**Curing**

For general lubrication, the coating supplied by BONDERITE L-GP G ACHESON is ready for use when dry to the touch—about 5 minutes at room temperature.

For electrical applications, air dry for 30 minutes; or air dry for 5 minutes, then bake for 5 minutes at 170°F (77°C).

**Precautions:**

See Acheson Material Safety Data Sheet for proper first aid instructions.

**Container Size:**

10 oz net weight (283.5 grams) aerosol; available in case lots of 6.

**Note:**

BONDERITE L-GP G ACHESON does not contain any ozone-depleting chemicals.

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