

BONDERITE L-AD GP 671 LUBRICANT POWDER

(Known as MOLYBDENUM DISULFIDE POWDERS)

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BONDERITE L-AD GP 671 (Known as MOLYBDENUM DISULFIDE POWDERS) is a gray-black boundary lubricant powder that is thermally stable at temperatures to 2000°F (1093°C) in vacuum and 750°F (399°C) in air.

Typical Characteristics

- Adheres to most surfaces.
- Lubricates over a wide temperature range, 300°F to +750°F (149°C to +399°C) in the presence of air.
- Readily mixes with greases, oils, and fluids.
- Maintains a very low coefficient of friction under heavy loads and extreme pressures.

Average Particle Size ⁽¹⁾ of Powders

- GP-671 (Technical Fine) 0.80 to 0.85 microns. Average particle size as determined by Fisher Sub Sieve Sizer.

⁽¹⁾ Not to be used as a specification

Industrial Uses

- Metalworking lubricant for cold forming, cold extruding. Effective in reducing loads or pressures at the tool surfaces.
- Additive for plastics, rubber, powdered metals to reduce or modify friction.
- Tumbling/burnishing application to "O" rings, packings, seals and fasteners, where conventional lubricants are ineffective.
- Friction modifying additive to gear and motor oils.
- Maintenance lubricant in powder form where conventional oils and greases cannot be tolerated.

Application Methods

- Tumbling for metalworking or small component coating.
- Burnishing or rubbing surfaces with cloth.
- Dusting or small applicator bottle for penetrating restricted areas.
- Powder ingredient mix for plastics, elastomers, plastics and powder metals

Henkel Corporation | 32100 Stephenson Highway | Madison Heights, MI 48071
PHONE: (248) 583-9300 | FAX: (248) 583-2976 | www.henkelna.com/

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