9200 ALMASOL®

Dry Film Lubricant

Combines superior dry film lubrication with safe, conventional application for use in a temperature range of -100°F to 650°F (-73°C to 343°C). Packaged in convenient aerosol container that contains no fluorocarbons – environmentally friendly.

LE's 9200 ALMASOL Dry Film Lubricant is a unique dry film spray lubricant designed primarily for use where permanent lubrication with exceptional long wear life and low frictional properties is desired and oil and grease cannot be used.

This air drying solid film lubricant contains a carefully selected blend of ALMASOL solid lubricants of controlled particle size dispersed in a fast drying solvent system and resin binder.

USER BENEFITS:

- Reduces wear and friction with ALMASOL wear-reducing agent.
- Excellent EP properties. Cannot be squeezed out up to 100,000 psi.
- Effective in variety of conditions: -100°F to 650°F (-73°C to 343°C) temperature range; where dusty and abrasive environments exist; fresh and salt water resistant.
- Provides long-lasting lubrication -- lasts two to five times longer than conventional dry film lubricants.
- Economical: Thin film is adequate – a small amount goes a long way.
- Convenient, easy to use spray can.
- Cures in two to four hours at room temperature.

TYPICAL APPLICATIONS

For use in a variety of applications where a permanent lubricant with exceptional long wear life and low frictional properties is desired.

- Sleeve Bearings, Pivot Bearings
- Hinge Pins, Latches, Locks
- Spindles
- Threaded Parts
- Cams, Slides
- Chains
- Metering Valves

WHAT IS ALMASOL?

ALMASOL is LE's exclusive wear-reducing additive which has an affinity for metal similar to polar attraction. It attaches itself to working surfaces in a single microscopic layer, yet it will not build on itself or affect clearances. This microscopic layer possesses tremendous load-carrying capacity, is impervious to acid attack and minimizes metal-to-metal contact and the resulting frictional wear. When added to LE lubricants, it gives an extra dimension of protection available in no other lubricant.

LUBRICATION ENGINEERS®, Inc.
LEADERS IN LUBRICANTS
300 Bailey Ave • FORT WORTH, TEXAS • 817-834-6321 • FAX 817-834-2431 • http://www.le-inc.com

LE Products manufactured under an ISO 9001:2000 Certified Quality System

TEST METHOD FOR BONDED SOLID FILM LUBRICANT COATINGS

Scope:

This test method is used to determine the wear life and load-carrying capacity of bonded solid film lubricants by the Timken Test machine.

Outline of Method:

The maximum wear life of the solid film lubricant applied to the surface of a rotating cup against a stationary block is determined along with the lubricant coefficient of friction

Apparatus:

(a) Timken Test Machine
(b) Loading Mechanism
(c) Test Cups
(d) Test Blocks

Procedure:

The spindle rotation speed is set to give a rubbing speed of 24-26 sliding feet per minute. After a break-in period of 30 seconds, a 10 lb. load is applied. Additional 10 lb. loads are applied after each 10 minute period for a total of 40-45 lbs.

A coefficient of friction reading is taken 10 minutes after the last weight has been placed. **Failure occurs** when the coefficient of friction value is double the initial reading. The wear life is recorded as the number of revolutions to failure.

Product	Initial Coefficient Of Friction:	Wear Life, Revolutions:
Competitor A	.059	90,000
Competitor B	.080	200,000
Competitor C	.080	200,000
Competitor D	.077	250,000
9200	**.070**	**500,000**

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