Technical Data

Lubri-Bond® A

Air Dry, MoS2/Graphite Solid Film Lubricant

Everlube® Products

Distributed by: **Trac Lubricants & Coatings LLC**
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Product Description

Lubri-Bond A is an air dry; MoS2/Graphite based solid film lubricant with an epoxy binder system. This coating provides an extremely low coefficient of friction, and performs best over a wide variety of loads. Lubri-Bond A is approved/qualified to many aerospace and industrial specification; these listings can be verified at http://www.everlubeproducts.com/specification.php. When requesting pricing or ordering of product, listing of the specification and revision is required to assure product certification compliance

Features / Benefits

- Excellent coefficient of friction
- Fair chemical resistance
- Suitable for field applications
- Ideal for higher load carrying applications

Markets

- Mechanical Components
- Industrial Machinery & Equipment
- Chemical Processing
- Fabricated Metal Parts

Typical Applications

- Linkages, springs and coils
- Guide, rails and tracks
- Bearing, cams, gears and splines
- Rings and seals

Physical Properties

Lubricating Solid	MoS2, Graphite
Binder	Epoxy
Color and Appearance*	Gray/Black Matte Finish
Carrier	Solvent Based
Solids (by weight)*	10.5% to 12.5%
Density*	7.5 ± 0.5 lb/gal (839 ± 60 grams/liter)
Flash Point	24°F (-4°C)
Volatile Organic Compound	757 grams/liter (6.31 lb/gal)
Theoretical Coverage[1]	225 ft²/gal @ 0.5 mils (5.5 m²/liter @ 12.7 microns)
Alternative or Repair Coatings	Thermally cured solvent based equivalents for Lubri-Bond A are Everlube 620 or Lube Lok 5396. A water based equivalent is Everlube 9001

Processing Information

Dry Film Thickness	0.2 to 0.5 mils (5 to 13 microns)
Dilution/Cleanup Solvent	No dilution required, use MEK for clean-up
Dilution Ratio	Ready to Use
Cure Cycle	24 hr. @ 77°F +/- 10°F
Suggested Pretreatment	Grit Blast and/or Phosphate
Suggested Application Methods	Dip Spin/Spray

For additional information, please see Processing Bulletin #3000A

Typical Functional Properties

	ASTM Test Method	Value
Corrosion Resistance		
Test Panel	ASTMB117	24to 48 hrs. @ 5% Neutral Salt Spray
Test Panel Coating Method		0.8 mil on grit blasted steel panel
Abrasion Resistance	ASTM D4060	Fair
Coefficient of Friction	ASTM D2714	0.02 to 0.04
Operating Temperature Range		-100° to 250°F (-73° to 121°C)
Load Carrying Capacity*	ASTM 2625, Method B	< 100,000 psi
Wear Life*	ASTM 2625, Method A	> 60 minutes average

Chemical Resistance (ASTM D-2510, Method C)

Isopropyl Alcohol or Ethyl Alcohol	Pass	Diethanolamine	Pass
Mineral Spirits or Paint Thinner	Pass	Hydrochloric Acid (10%)	Pass
Toluene	Pass	Sodium Hydroxide (10%)	Pass
Acetone	Pass	Distilled Water	Pass
Skydrol 500 (room temperature)	Pass	Jet Fuels (JP-4)	Pass
Hydraulic Fluids	Pass	Trichloroethylene	Pass
Anti-Icing Fluids	Pass		

Note: Chemical resistance may vary depending on the cure cycle. N/R = Not recommended

Additional Information

Shelf Life and Storage:

One year from date of shipment, stored in a factory sealed container between the temperatures, 40°F to 100°F. Coatings are thermally stable, but we do not recommend prolonged exposure outside of the specified temperature range listed above.

Packaging:

Lubri-Bond A is available in Gallons, 5-gallon pails, Quarts

Warranty:

No representation of warranty is expressed or implied and all warranties including warranties of marketability and fitness for use are expressly disclaimed. Nothing herein shall be construed as permission or recommendation to practice a patented invention without a license.

* These tests are performed on each production lot

[1] Based on 100% transfer efficiency at a dry film thickness of 0.0005 inch (12.5 microns).

Issue Date: 8/19/02 , Latest Revision Date: 6/26/13