

# Technical Data

## Everlube<sup>®</sup> 967

MoS<sub>2</sub> Solid Film Lubricants

**CURTISS -  
WRIGHT**

Everlube<sup>®</sup> Products

Surface Technologies Division

100 Cooper Circle | Peachtree City, GA 30269

T: 770.261.4800 | F: 770.261.4805 | 800-428-7802

Product Description	
Everlube 967 is a thermally cured; MoS <sub>2</sub> based solid film lubricant with a polyimide binder system. This coating is specifically designed to provide lubrication in higher temperature applications. Everlube 967 also provides very good chemical resistance, abrasion resistance, and performs best in higher load carrying applications. Specifications for this product can be found at: <a href="https://everlubeproducts.com/specification/">https://everlubeproducts.com/specification/</a> .	
Features / Benefits	
<ul style="list-style-type: none"><li>• Very good thermal stability</li><li>• Very good chemical resistance</li></ul>	<ul style="list-style-type: none"><li>• Very good abrasion resistance</li><li>• Ideal for higher load carrying applications</li></ul>
Markets	Typical Applications
<ul style="list-style-type: none"><li>• Industrial Machinery &amp; Equipment</li><li>• Mechanical Components</li><li>• Chemical Processing</li><li>• Fabricated Metal Parts</li></ul>	<ul style="list-style-type: none"><li>• Bearings, cams, splines and shafts</li><li>• Threaded connectors and disconnects</li><li>• Bolts, nuts, and pins</li><li>• Bushings, shafts, rods and plates</li></ul>
Physical Properties	
Lubricating Solids	MoS <sub>2</sub>
Binder	Polyimide
Color and Appearance*	Dark Gray/Blackish Matte Finish
Carrier	Solvent based
Solids (by weight)*	38% to 42%
Density*	10.6 ± 0.5 lb/gal (1270 ± 60 grams/liter)
Flash Point	45°F (7°C)
Volatile Organic Compound	907 grams/liter (7.56 lb/gal)
Theoretical Coverage <sup>1</sup>	820 ft <sup>2</sup> /gal @ 0.5 mils (20 m <sup>2</sup> /liter @ 12.7 microns)
Alternative or Repair Coatings	A low VOC alternative coating for Everlube 967 is our Everlube 812. For touch-up applications, Perma-Slik RMAC works well with Everlube 967.
Processing Information	
Dry Film Thickness	0.2 to 1 mils (5 to 25 microns)
Dilution / Cleanup Solvent	50/50 blend of N-Methyl-2-Pyrrolidone (NMP) and Cyclohexanone or 900 Solvent
Dilution Ration (for spray)	1:1 to 3:1 (product to solvent by volume) Adjust as needed.
Cure Cycle	1 hr. at 150°F to 250°F, then 1 hr at 400°F to 450°F
Suggested Pretreatment	Grit Blast and/or Phosphate
Suggested Application Method	Spray
For additional information, please see Processing Bulletin #3000-A	
(Continued)	

**Typical Functional Properties**

	<u>ASTM Test Method</u>	<u>Value</u>
Corrosion Resistance		
Test Panel	ASTM B117	48-96 hrs @ 5% neutral salt spray
Test Panel Coating Method		0.5 mil on grit blasted steel panel
Abrasion Resistance	ASTM D4060	Very good
Coefficient of Friction	ASTM D2714	.04 to .06
Operating Temperature Range		-300° to 600°F (-184 to 316°C)
Load Carrying Capacity	ASTM 2625, Method B	>250,000 psi
Wear Life	ASTM 2625, Method A	300 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:

Everlube 967 is available in gallons, 5-gallon pails, and 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

<sup>1</sup> Based on 100% transfer efficiency at a dry film thickness of 0.0005 inch (12.5 microns).

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