

## Technical Data

# Everlube<sup>®</sup> 1329

## Graphite, Solid Film Lubricant

**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 1329 is a low VOC, graphite based solid film lubricant that utilizes a two-component high solid epoxy binder system. This coating provides excellent abrasion resistance, chip and impact resistance, while offering a low coefficient of friction. Everlube 1329 maintains its good appearance when subjected to impact, scuffing, chafing, bearing wear, and chemical fumes.

### Features / Benefits

- |  |  |
|--|--|
| <ul style="list-style-type: none"><li>• Excellent chip and impact resistance</li><li>• Good corrosion resistance</li></ul> | <ul style="list-style-type: none"><li>• Good abrasion resistance</li><li>• Low coefficient of friction</li></ul> |
|--|--|

### Markets

- Mechanical components
- Industrial machinery
- Fasteners
- Fabricated metal parts
- Aircraft and general aviation

### Typical Applications

- Fasteners
- Lamps, ladders, and railings
- Handling equipment
- Machinery and cabinets
- Flaps, doors, latches, access panels

### Physical Properties

Lubricating Solid	Graphite
Binder	2-component high solids epoxy
Color and appearance*	Gray/Black Finish
Carrier	Solvent borne
Solids (by weight)*	71 ± 4%
Density*	9.6 ± 0.5 lb/gal (1150 ± 60 grams/liter)
Flash Point	59°F (15°C)
Volatile organic compound	205 grams/liter (1.7 lb/gal)
Theoretical Coverage <sup>1</sup>	1925 ft <sup>2</sup> /gal @ 0.5 mils (47.1 m <sup>2</sup> /liter @ 12.7 microns)

### Processing Information

Dry film thickness	0.5 to 5 mils (13 to 127 microns)
Catalyst ratio	The catalyst ratio is 8 parts component A to 1 part component B (catalyst/thinner) by volume
Pot life	4 hours @ 77°F (25°C)
Dilution Solvent	MEK, MIBK, 642 Solvent (50/50 MEK/Toluene)
Dilution ratio	1:1 (product to solvent) by volume or as required
Cure cycle	24 to 72 hours @ 77°F ± 10°F
Suggested pretreatment	Grit blast
Suggested application methods	Spray

<b>Typical Functional Properties</b>			
	<u>ASTM Test Method</u>	<u>Value</u>	
Corrosion Resistance			
Test Panel	ASTM B-117	48-96 hrs @ 5% neutral salt spray	
Test Panel Coating Method		0.5 mil on grit blasted steel panel	
Abrasion resistance	ASTM D-4060	Good	
Coefficient of Friction	ASTM D-2714	0.06 to 0.12	
Operating Temperature Range		-100°F to 300°F (-73° to 149°C)	
Load Carrying Capacity	ASTM D-2714	<40,000 psi	
Wear life	ASTM D-2714	<20,000 cycles	
Thermal stability	ASTM D-2511	Pass	
<b>Chemical Resistance (ASTM D-2510, Method C)</b>			
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 (ambient temp)	N/R	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			
<b>Additional Information</b>			
<u>Shelf Life and Storage:</u> 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			
<u>Packaging:</u> Everlube 1329 is available in gallon and quart kits			
<u>Warranty:</u> No representation or 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 of 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).

Issue Date: 01/17/08 Latest Revision Date: 10/19/18  
LEF/kr