

Technical Data

Everlube[®] 722

PTFE, Solid Film Lubricant

**CURTISS -
WRIGHT**

Everlube[®] Products

Surface Technologies Division

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Product Description	
Everlube 722 is a thermally cured, PTFE based solid film lubricant with an organic binder system. This coating provides very good release and has excellent noise reduction properties. Everlube 722 has good thermal stability and performs best in lighter load carrying applications. Everlube 722 offers good processing and color flexibility. Additional information can be found at: http://www.everlubeproducts.com/products .	
Features / Benefits	
<ul style="list-style-type: none">• Excellent wear life• Very good release properties	<ul style="list-style-type: none">• Very good thermal stability• Ideal for lighter load carrying applications
Markets	Typical Applications
<ul style="list-style-type: none">• Semiconductor• Medical• Fabricated metal parts• Elastomeric parts	<ul style="list-style-type: none">• Wear plates, stampings, and tooling die• Journal bearing races and sleeves• Mold cavities and pins• Elastomeric parts
Physical Properties	
Lubricating Solids	PTFE
Binder	Organic
Color and Appearance*	Satin black finish, additional color options are available.
Carrier	Solvent based
Solids (by weight)*	30% to 36%
Density*	8.1 ± 0.5 lb/gal (972 ± 60 grams/liter)
Flash Point	28°F (-2°C)
Volatile Organic Compound	652 grams/liter (6.87 lb/gal)
Theoretical Coverage ¹	1085 ft ² /gal @ 0.5 mils (26.6 m ² /liter @ 12.7 microns)
Alternative or Repair Coatings	A low VOC alternative coating for Everlube 722 is our Everlube 9601.
Processing Information	
Dry Film Thickness	0.5 to 3 mil (13 to 76 microns)
Dilution / Cleanup Solvent	n-methyl-2pyrrolidone (NMP), Everlube 900 solvent, or a 50/50 blend of NMP and Cyclohexanone
Dilution Ration (for spray)	0 to 3:1 (product to solvent)
Cure Cycle	1 hr @ 400°F to 450°F (204°C to 232°C)
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	<200 hrs @ 5% neutral salt spray
Test Panel Coating Method		0.8 mil on grit blasted steel panel
Abrasion Resistance	ASTM D4060	Very good
Coefficient of Friction	ASTM D2714	0.02 to 0.06
Operating Temperature Range		-100° to 500°F (-73 to 260°C)
Load Carrying Capacity	ASTM 2714	<20,000 psi
Wear Life	ASTM 2714	300,000 cycles

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	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 InformationShelf 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 722 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

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: 5/2/11