

## Technical Data

# Everlube® Products

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# Everlube 9600

## Medical Grade Coating System

### Process Description

Everlube 9600 is a low VOC, thermally-cured, epoxy-based, fluorocarbon coating that exceeds all current and proposed VOC regulations. This coating system offers excellent corrosion resistance, good release and non-stick properties, and superior chip resistance.

### Testing Qualifications (ANSI/AAMII/ISO 10993\*\*) Suitable For

- |   |   |
|---|---|
| <ul style="list-style-type: none"><li>• Cell Toxicity (USP Method)</li><li>• Intracutaneous Irritation (10993-10)</li><li>• Guinea Pig Maximization (10993-10)</li><li>• Muscle Implantation (10993-10)</li></ul> | <ul style="list-style-type: none"><li>• Autoclaving</li><li>• Gamma Radiation</li><li>• Ethylene Oxide Sterilization Residuals (-7)</li><li>• Other sterilization methods</li></ul> |
|---|---|

### Physical Properties

	<u>ASTM Test Method</u>	<u>Value</u>
Color and Appearance		Black Satin Finish*
Corrosion Resistance		
Test Panel	ASTM B-117	500 Hours
Test Panel Coating Method		0.7 mil on grit blasted steel panel
Abrasion Wear	ASTM D-4060	<50 mg/1000 cycles
Coefficient of Friction	ASTM D-2714	0.04 to 0.08
Operating Temperature Range		
Continuous		-300° to 400°F (-184° to 204°C)
Intermittent		-300° to 500°F (-184° to 260°C)
Adhesion	ASTM 2510, Method A	Pass
Dry Film Thickness		0.5 to 1 mils (13 to 25 microns)
** Supplemented by FDA Publication - G95-1. Due to confidentiality, E/M does not provide test reports.		
* Contact your E/M Sales Engineer for additional color options		

### Fluid Resistance

	<u>Pass or Fail</u>		<u>Pass or Fail</u>
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

Issue Date: 02/04/02  
Latest Revision Date: 04/04/02

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