Technical Data

Everlube 9600

Medical Grade Coating System

Everlube® Products

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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

- Cell Toxicity (USP Method)
- Intracutaneous Irritation (10993-10)
- Guinea Pig Maximization (10993-10)
- Muscle Implantation (10993-10)
- Autoclaving
- Gamma Radiation
- Ethylene Oxide Sterilization Residuals (-7)
- Other sterilization methods

Physical Properties

	ASTM Test Method	Value
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

	Pass or Fail		Pass or Fail
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