

Technical Data

Everlube® Products

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Everlube® 620C

MIL Spec, MoS2 Solid Film Lubricant

Product Description

Everlube 620C is a thermally cured MoS2 based solid film lubricant with an organic binder system. Everlube 620C provides very good wear life, good abrasion resistance and performs best in higher load carrying applications. Everlube 620C is also qualified to MIL-L-8937D, MIL-L-46010E Ty 1 and AS-5272 Ty. 1. Everlube 620C is purchased by a wide variety of markets, including Aerospace and Medical.

Features / Benefits

- Lead Free
- Good abrasion resistance
- Very good wear life and chemical resistance
- Ideal for higher load carrying applications

Markets

- Aerospace/Defense
- Medical
- Mechanical Components
- Industrial Machinery & Equipment

Typical Applications

- Bearings, gears, splines and cams
- Non-intrusive medical instruments
- Hydraulic fittings & valve components
- Seals, clamps and couplings

Physical Properties

Lubricating Solid:	MoS2
Binder:	High Molecular Weight Phenolic
Color and Appearance:*	Black Matte Finish
Carrier:	Solvent Borne
Solids (by weight):*	40 to 44%
Density:*	9.1 ± 0.5 lb/gal (1090 ± 60 grams/liter)
Flash Point:	24°F (-4°C)
Volatile Organic Compound:	632 grams/liter (5.27 lb/gal)
Theoretical Coverage: ¹	674 ft ² /gal @ 0.5 mils (16.5 m ² /liter @ 12.7 microns)
Alternative or Repair Coatings:	A low VOC alternative coating for Everlube 620C is our Everlube 9002. For touch-up applications, Perma-Slik G or Lubri-Bond 220 works well with Everlube 620C.

Processing Information²

Dry Film Thickness	0.2 to 0.5 mils (5 to 13 microns)
Dilution / Cleanup Solvent: ²	MEK, 600 Solvent, or 50/50 ethyl alcohol and toluene
Dilution Ratio:	1:1 to 1:3 (Product to Solvent)
Cure Cycle: ²	1 hr@300°F - 375°F
Suggested Pretreatment:	Grit Blast and/or Phosphate
Suggested Application Methods:	Dip Spin <input checked="" type="checkbox"/> Spray <input checked="" type="checkbox"/>

For additional information, please see Processing Bulletin # 3000-A

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