

## KFL-DM

### 1. Description:

- 1.1. KFL-DM is a unique surface coating that provides durable, lubricious, low friction sliding performance. KFL-DM is a polymer based film coating impregnated with PTFE, and other special fillers.

### 2. Characteristics:

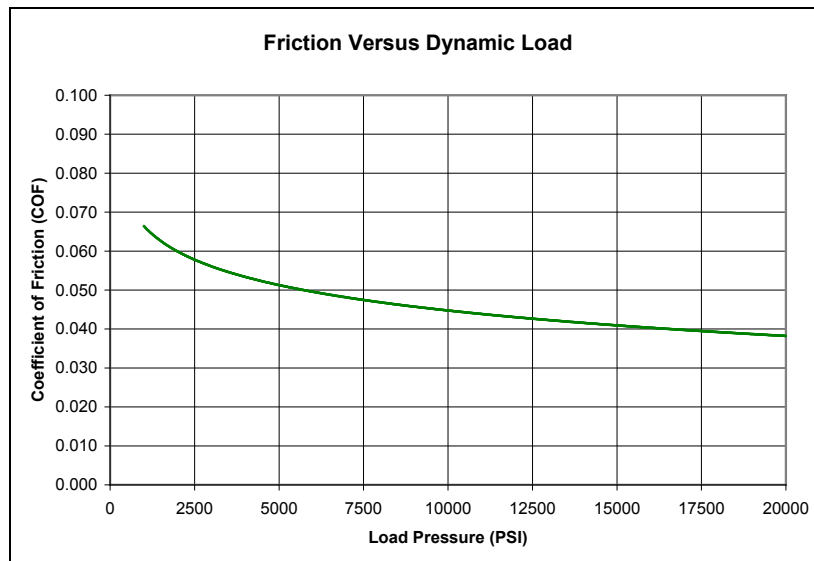
- 2.1. Thickness range: 0.001-in to 0.002-in (0.025 to 0.051 mm)
- 2.2. KFL-DM is a film coating which is directly adhered to a metal substrate and supplied in the as-applied condition (no machining).
- 2.3. KFL-DM can be applied to steel, stainless steel, aluminum, titanium, nickel-based alloys, and many other metals.

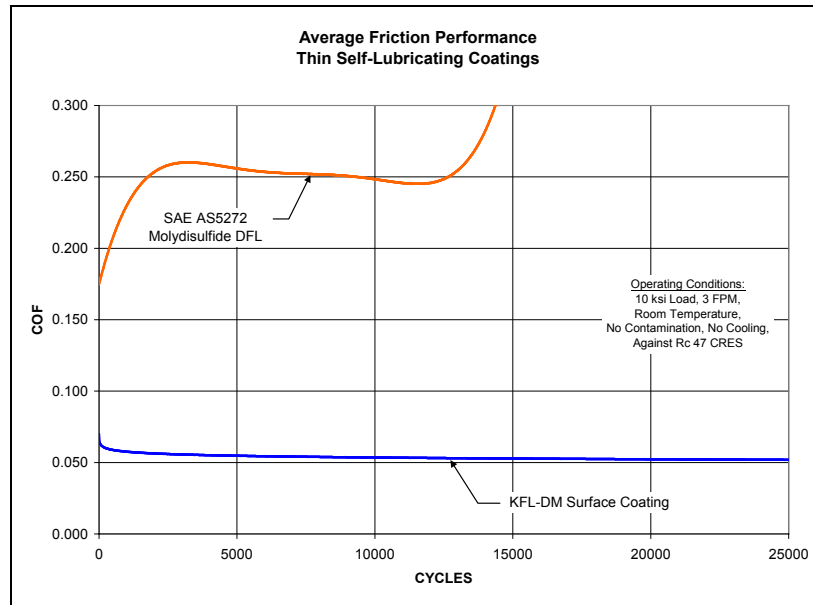
### 3. Physical Properties:

- 3.1. Density 1.58 gm/cc
- 3.2. Hardness Rockwell M 80
- 3.3. Color Grey

### 4. Performance Capabilities:

- 4.1. Operating Temperature Range: -65°F to 350°F (-54°C to 177°C)
- 4.2. Max. Continuous Dynamic Pressure: 20,000 psi (138 MPa) at 0.5 fpm
- 4.3. Surface speeds to 10 fpm (3 m/min)
- 4.4. Coefficient of Friction: 0.04 -0.12 (Depending on Operating Conditions)





## 5. Fluid Compatibility:

- 5.1. Compatible with aircraft hydraulic fluids, lubricating oils, jet fuels, de-icing fluids, cleaning fluids, and water.

## 6. Typical Applications:

- 6.1. For applications requiring a thin, low friction coating for metal surfaces that contact each other, and cause surface damage from rubbing and fretting.