



# PRODUCT DATA SHEET



---

## MOLYLUBE® MILL GEAR COMPOUND

**Molylube Mill Gear Compound**, commonly known as Molylube SF 100 Mill, is a high viscosity, open gear lubricant designed for shovel dipper sticks, kilns and mills. This product forms a strong, tenacious, paste-like film, providing maximum protection in the load zone while flowing well and draining freely from gear shrouds, greatly reducing consumption. Contains a volatile solvent that insures fluidity during application. Contains no heavy metal carcinogens or chlorinated solvents. Meets ANSI/AGMA 9005-E02 Specification for minimum viscosity recommendations for open gearing intermittent lubricant application and for gravity feed or forced drip lubrication of open gears. Approved by Metso Minerals.

### *Applications*

---

- ◆ Heavily loaded open gears in kilns and mills
- ◆ Dipper sticks on mining shovels
- ◆ All open gears in mining and industrial operations

### *Features and Benefits*

---

- |   |  |
|---|--|
| ◆ Ease of application                           | Contains a volatile solvent that insures fluidity during application.                              |
| ◆ No heavy metals                               | Environmentally friendly. Worker safe.   |
| ◆ Extreme Pressure and anti-wear properties     | Maximizes component useful life helping to reduce replacement part costs and lost production time. |
| ◆ Reduced consumption                           | Lowers lubrication costs and minimizes clean-up and disposal.                                      |
| ◆ Water resistant, rust and corrosion inhibited | Maintains performance and adhesion while eliminating corrosive degradation.                        |

### *General Description*

---

**Molylube Mill Gear Compound** is a high viscosity residual-type open gear lubricant designed for Type 2 open gears. **Molylube Mill Gear Compound** is fortified with moly and graphite lubricating solids, Extreme Pressure and anti-wear additive for maximum gear protection.

### *Product No. 301771*

Page 1 of 2

*With continual research and development, Calumet reserves the right to change the information contained herein. The Company is not responsible for misuse or misapplication of its products.*

1/2/2018

**MOLYLUBE<sup>®</sup> MILL GEAR COMPOUND**  
**TYPICAL PROPERTIES**

<b><u>Product No.</u></b>	<b><u>301771</u></b>
<b><u>Old Product No.</u></b>	<b><u>76980</u></b>
Apparent Viscosity (Brookfield), ASTM D2196 @ 25°C (77°F), cP (Pre-dilution)	106,500
Apparent Viscosity (Brookfield), ASTM D2196 @ 25°C (77°F), cP (Finished Product)	12,500
Viscosity (Base Fluid), ASTM D445 @ 40°C, cSt	12,769
@ 100°C, cSt	291
Viscosity Index (Base Fluid), ASTM D2270	120
Copper Strip Corrosion, ASTM D4048 24 hrs @ 100°C, rating	1b
4-Ball EP Test (Pre-dilution), ASTM D2596 Weld Load, kg	>800
Load Wear Index, kg	160
Timken Retention Test (Pre-dilution), U.S. Steel Method Film Life, @ 43 lbs, minutes	18.5
Flash Point, ASTM D92 °C	84
(°F)	(184)
Color	Black