



# PRODUCT DATA SHEET



## MOLYLUBE<sup>®</sup> HIGH TEMPERATURE GREASE

**Molylube High Temperature Grease**, commonly known as Molylube 65 Grease, is a synthetic based, sodium complex grease recommended for high temperature and heavy load applications. It is formulated with molybdenum disulfide, or moly, graphite lubricating solids, Extreme Pressure and anti-wear additives, and rust and corrosion inhibitors for maximum protection under severe operating conditions. The sodium complex thickener and synthetic base fluids of **Molylube High Temperature Grease** is virtually residue-free, ensuring that there will be no high temperature residues from either the thickener or fluids.

### *Applications*

- ◆ Slides
- ◆ Bushings
- ◆ Ball bearings
- ◆ Pedestal slides
- ◆ Vibrating screens
- ◆ Furnace table rolls
- ◆ Molten lead pumps
- ◆ Refractory kiln car wheels
- ◆ Pins
- ◆ Valve gear guides
- ◆ Roller bearings
- ◆ Paw-grip guides
- ◆ Conveyor wheels
- ◆ Wheel bearings on annealing cars

### *Features and Benefits*

- ◆ Sodium complex thickener  
High dropping point. High temperature residue-free.
- ◆ Fully synthetic base fluids  
Long life capability.
- ◆ Moly and graphite lubricating solids  
Reduces friction and provides high temperature lubrication.
- ◆ Extreme Pressure and anti-wear properties  
Maximizes component useful life helping to reduce replacement part costs and lost production time

### *General Description*

**Molylube High Temperature Grease** is a synthetic based, sodium complex Extreme Pressure grease. **Molylube High Temperature Grease** continues to provide excellent protection as temperatures increase to 149°C (300°F). **Molylube High Temperature Grease** leaves no undesirable residues when exposure to temperatures in excess of 260°C (500°F), optimizing bearing performance under these conditions.

### *Product No. 301184*

**MOLYLUBE® HIGH TEMPERATURE GREASE**  
TYPICAL PROPERTIES

<b><u>Product No.</u></b>	<b><u>301184</u></b>
<b><u>Old Product No.</u></b>	<b><u>17830</u></b>
NLGI Grade	1
Penetration, worked (60 strokes), ASTM D217 mm/10	325
Thickener Type	Sodium Complex
Viscosity (Base Fluid), ASTM D445 @ 40°C, cSt	188
@ 100°C, cSt	15.3
Viscosity (Base Fluid), ASTM D2161 @ 100°F, SUS	997
@ 210°F, SUS	81
Dropping Point, ASTM D2265 °C	>260
(°F)	(>500)
Corrosion Protection, Federal Test Method Std. No. 791 Method 5322, 72 hours, 27°C, 5% Salt fog	Pass
Pumpability, Lincoln Ventmeter, from 1800 psi @ Room Temperature, ~25°C (~77°F), psi	100
@ -1°C ( 30°F), psi	125
@ -18°C ( 0°F), psi	200
Lubricating Solids Type	Molyube Solids
Lubricating Solids, Weight %	~ 20
4-Ball EP Test, ASTM D2596 Weld Load, kg	500
Useful Temperature Range °C	-18 to 316
(°F)	(0 to 600)
Color	Dark Gray