



Bel-Ray Company, Inc.

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BEL-RAY[®] MOLYLUBE[®] 65

Bel-Ray Molyube 65 is a unique synthetic high temperature grease for heavy load applications.

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
- ◆ Fully synthetic base fluids
- ◆ Contains Molyube solids
- ◆ Extreme Pressure chemistry
- ◆ Oxidation inhibited
- No gum at high temperature.
- Long life capability.
- High temperature friction reduction.
- High load carrying ability.
- Thermal stability.

General Description

Unlike most other synthetic and conventional Extreme Pressure (EP) grease, the EP performance of **Bel-Ray Molyube 65** improves as temperatures increase to 149°C (300°F). In addition, there are no undesirable residues left to cause problems in bearings when exposure to temperatures in excess of 260°C (500°F) are experienced. Due to the relatively high molybdenum disulfide content of **Bel-Ray Molyube 65**, significant reductions in boundary friction and boundary wear are effective in permitting the substantial extension of lubrication cycles. The thermal stability and oxidative stability imparted by the synthetic base fluids in **Bel-Ray Molyube 65** provide film strength and lubricity properties exceeding those of greases formulated with conventional petroleum oils and other synthetic fluids.

Bel-Ray Molyube 65 is available in two (2) NLGI grades to fit various applications.

Product No. 17830, 17832

BEL-RAY[®] MOLYLUBE[®] 65

TYPICAL PROPERTIES

<u>Product No.</u>	<u>17830</u>	<u>17832</u>
Bel-Ray Product Name	Molyube 65	Molyube 65-2
NLGI Grade	1	2
Penetration, worked (60 strokes), ASTM D217 mm/10	325	280
Thickener Type	Sodium Complex	Sodium Complex
Viscosity (Base Fluid), ASTM D445 @ 40°C, cSt	188	188
@ 100°C, cSt	15.3	15.3
Viscosity (Base Fluid), ASTM D2161 @ 100°F, SUS	997	997
@ 210°F, SUS	81	81
Dropping Point, ASTM D2265 °C	>260	>260
(°F)	(>500)	(>500)
Corrosion Protection, Federal Test Method Std. No. 791 Method 5322, 72 hours, 27°C, 5% Salt fog	Pass	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	Molyube Solids
Lubricating Solids, Weight %	~ 20	~ 20
4-Ball EP Test, ASTM D2596 Weld Load, kg	500	500
Useful Temperature Range °C	-18 to 316	-18 to 316
(°F)	(0 to 600)	(0 to 600)
Color	Dark Gray	Dark Gray