

## PRODUCT DATA SHEET

### **Royal Moly Hi-Temp Non-Melt Grease** **High Temperature Moly Grease**



#### **PRODUCT DESCRIPTION:**

**Royal Moly Hi-Temp Non-Melt Grease** is a premium high temperature, multi-purpose grease fortified with solid lubricant additives. The non-melting, inorganic bentonite clay thickener gives this grease excellent high temperature performance, and a wider operating temperature range than most soap based greases. High quality, fully refined base stocks provide natural oxidation stability. Its specialized additives provide a chemical barrier protecting lubricated parts against rust and corrosion. The addition of the extreme pressure solid lubricant additives molybdenum disulfide and graphite provide a mechanical barrier for excellent lubricity and protection from sliding wear and shock loads.

**Royal Moly Hi-Temp Non-Melt Grease** has an operating temperature range from 0°F to over 350°F, allowing it to perform in even extreme duty applications.

#### **KEY FEATURES:**

- Non-melt high temperature grease
- Excellent thermal and rust protection
- Protects from wear
- Excellent water resistance

#### **CUSTOMER BENEFITS:**

- Does not melt and resists chemical degradation at high temperatures and thus protects equipment under severe high temperature operating conditions
- Stays in place in extreme environment to protect your components
- The specialized additives present in grease protect equipment from chemical oxidation, rust and corrosion resistance thus providing long service life
- Provides effective wear protection for bearings, ball joints, drive shafts and other parts subjected to high pressure and shock loading
- It effectively provides protection from water washout under all-weather lubrication

#### **APPLICATIONS:**

Recommended for medium to slow bearing speeds at normal temperatures and medium bearing speeds at warm to hot temperatures in applications such as kiln car, wheel bearings, roller bearings, oven door hinges, pellet mill bearings, slag bed shaker bearings, hot conveyor bearings and steam control valves as well as many other industrial, construction, automotive, and off-highway applications.

#### **PACKAGING:**

Totes, Drums and Pails

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## Royal Moly Hi-Temp Non-Melt Grease High Temperature Moly Grease



### Typical Properties

Royal Moly Hi-Temp Non-Melt Grease		
Product Number	941 MA	Test Method
Color	Grayish Black	Visual
Texture	Smooth	Visual
NLGI Grade	2	ASTM D 217
Worked Penetration	285	ASTM D-217
Drop Point, ° F	Non-melt	ASTM D 2265
Viscosity @ 40 C ,cSt	145	ASTM D 445
Viscosity @ 100 C ,cSt	13	
Viscosity @ 100 F ,SUS	800	
Viscosity @ 210 F ,SUS	70	
Type of thickener	Bentonite	-
Oil Separation	1.0	ASTM D 1742

Typical Properties are typical of those obtained with normal production tolerance and do not constitute essentially a specification. Variations that do not affect product performance are to be expected during normal manufacture and at different blending locations. The information contained herein is subject to change without notice.

#### Health and Safety:

When used for its intended application, this product is not expected to have any adverse health implications. For complete information on safe handling, as well as physical and chemical characteristics please refer to the Material Safety Data Sheet (MSDS) found on our website, [www.royalmfg.com](http://www.royalmfg.com), or call 918-584-2671. Do not use this product for purposes other than its intended use. Please be responsible to the environment when disposing of used product.