



## Bentone

Bentone is a high-quality, extreme-pressure (EP), clay-based grease developed for the lubrication of industrial bearings and machinery operating under heavy loads and exposed to high temperatures.

Bentone is manufactured with high-quality, heavy paraffinic base oils and bentonite clay thickener and is fortified with antiwear and extreme-pressure additives to provide outstanding protection for bearings and moving parts exposed to heavy loads and high operating temperatures. It retains its consistency at high temperatures, has excellent water washout resistance and has excellent storage stability.

### **Applications**

Bentone is recommended for medium-to-large low-speed bearings operating at very high temperatures where conventional soap-based greases typically fail to provide satisfactory lubrication. Typical applications include:

- Rolling and strip mills
- Banbury mixers
- Drying ovens
- Jaw crushers
- Kiln cars
- Equipment in steel mills and aluminum, cement, glass and rubber plants

### **Features/Benefits**

- Non-melt clay thickener
- Excellent resistance to changes in consistency at high temperatures
- Good extreme-pressure and antiwear properties
- Adheres to metallic surfaces
- Good shear stability
- High film strength
- Excellent resistance to water washout
- Excellent mechanical and storage stability

**Extreme-Pressure,  
Clay-Based Grease  
For  
High-Temperature  
Applications**

### **Contact Information**

**U.S. Customer  
Service:  
1-800-822-6457**

**U.S. Technical  
Services Hot Line:  
1-800-766-0050**

**International:  
+1-832-486-3363**

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### Typical Properties

<b>NLGI Grade</b>	<b>2</b>
Thickener	Bentonite Clay
Color	Golden
Dropping Point, °C (°F)	>288 (>550)
Density, lbs/gal	7.71
Penetration, ASTM D217, Worked (60 strokes)	280
Texture	Smooth
Four-Ball EP, ASTM D2596, Weld Load, kgf	250
Oxidation Stability, ASTM D942, 100 hrs, Pressure Drop, psi (kPa)	5 (35)
Rust Prevention, ASTM D1743	Pass
Timken OK Load, ASTM D2509, lb	45
Base Oil Properties:	
Viscosity,	
cSt @ 40°C	450
cSt @ 100°C	31.5
SUS @ 100°F	2,403
SUS @ 210°F	154
Viscosity Index	95
Usable Temperature Range <sup>(1)</sup> ,	
°C	-7 to >204
°F	20 to >400

<sup>(1)</sup> **Note:** Prolonged or continuous exposure to temperatures above 204°C (400°F) will accelerate base oil oxidation and decrease the service life of the grease. In such applications, frequent relubrication is recommended.

### Health and Safety Information

For recommendations on safe handling and use of this product, please refer to the Material Safety Data Sheet via <http://w3.conocophillips.com/NetMSDS>.

Due to continual product research and development, the information contained herein is subject to change without notification.

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