



## Bentone

Bentone is a high-quality, extreme-pressure (EP), clay-thickened grease developed for the lubrication of industrial equipment operating under heavy loads and at high temperatures. It is particularly recommended for medium-to-large, low-speed bearings operating at very high temperatures where conventional soap-based greases typically fail to provide satisfactory lubrication.

Bentone is manufactured with high-quality, heavy paraffinic base oils and a non-soap, bentonite clay thickener. It is fortified with extreme-pressure and antiwear 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 and has good water washout resistance and good storage stability.

### ***Applications***

- Banbury mixers
- Drying ovens
- Jaw crushers
- Kiln cars
- Rolling and strip mills
- Steel mills
- 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
- Resists water washout
- Good mechanical and storage stability

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

### **CONTACT INFORMATION**

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Lubricants.com**

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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)	265-295
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	2,400
SUS @ 210°F	154
Viscosity Index	101
Operating Temperature Range <sup>(1)</sup> ,	
°C	-7 to 190
°F	20 to 375

<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://w3apps.phillips66.com/NetMSDS>.

Typical properties are average values only and do not constitute a specification. Minor variations that do not affect product performance are to be expected during normal manufacture, and at different blending locations. Product formulations are subject to change without notification.

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