



Bentone

Bentone is high-quality, non-soap, extreme-pressure, clay-based grease developed for lubricating industrial bearings and machinery operating under heavy loads and subjected to high temperatures.

Bentone, unlike conventional soap-based greases, has excellent storage stability and retains its consistency at high temperatures. In addition, it adheres to the surface to which it is applied and has excellent water-washout characteristics.

Applications

Bentone is recommended for medium-to-large low-speed bearings commonly found in rolling and strip mills, Banbury mixers, jaw crushers, kiln cars, drying ovens, steel mills, aluminum, glass, rubber and cement plants where conventional soap-thickened greases normally fail due to the extreme high temperatures encountered. Frequent relubrication intervals are recommended under these conditions to minimize bearing failure due to lack of lubrication.

Bentone is formulated with high-viscosity index paraffinic base oils and fortified with bentonite clay thickener and anti-wear additives to provide exceptional protection for the bearings and moving parts when subjected to high operating temperatures.

Outstanding Features

- Non-melt clay thickener; no Dropping Point by ASTM D2265 test method
- Resistant to change in consistency with temperature
- Adheres to the surface
- Reduces wear
- Good shear stability
- Excellent mechanical and storage stability
- Good water resistance
- Excellent multipurpose lubricant
- High film strength

High-Quality, Non-Soap, Extreme-Pressure Clay-Based Grease For High-Temperature Applications

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

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

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

**E-mail address:
lubricants@
conocophillips.com**

<http://lubricants.conocophillips.com>

600 N. Dairy Ashford • 2W9000 • Houston, TX 77079

Bentone
Typical Properties

	ASTM Test Method	
NLGI No.		2
Thickener		Bentonite clay
Color		Golden
Texture		Smooth
Density, lb/gal		7.71
Cone Penetration (worked 60 strokes)	D217	280
Dropping Point, °F (°C)	D2265	>550 (>288)
Timken OK Load, lbs		45
Four-Ball EP, Weld Load, kgf		50
Rust Test	D1743	Pass
Oxidation Stability, Pressure Drop @ 100 hrs, psi (kPa)	D942	5 (35)
Base Oil Properties,		
cSt @ 40°C	D445	450
cSt @ 100°C	D445	31.5
SUS @ 100°F		2403
SUS @ 210°F		154
Viscosity Index	D2270	95
Usable Temperature Range,		
°F		+20 to 425
°C		-7 to 218

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

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