



Omniguard®

Omniguard is a high-performance, multipurpose, extreme-pressure (EP), corrosion-preventive grease specially developed for use in industrial and automotive equipment operating in wet or corrosive environments. It is particularly recommended for equipment exposed to water contamination, saltwater corrosion and/or high temperatures.

Omniguard is manufactured with high-quality paraffinic base oils, calcium sulfonate thickener, antiwear additives and rust and corrosion inhibitors. It protects against rust and corrosion in high-humidity, high-temperature applications such as those found in the steel, lumber, tire manufacturing and paper industries. It has excellent load-carrying capacity, high shear stability and outstanding resistance to water washout.

Omniguard Grade No. 2 is NLGI GC-LB certified for use as a multipurpose automotive wheel bearing and chassis lubricant.

Applications

- Industrial and automotive equipment operating in unfavorable conditions involving water contamination and/or high temperatures
- Plain and rolling-element bearings operating in corrosive environmental conditions
- Marine equipment, heavy mobile equipment and cables exposed to saltwater
- Paper machine wet- and dry-end bearings and hot calender stacks
- Rolling mills, hot roll tables, continuous casters, ingot buggies and slab mills
- Steel mill roller bearings, conveyors and gears
- Industrial equipment subject to high loads, high humidity and high temperatures
- Centralized lube systems and auto lubbers in service shops

Features/Benefits

- Excellent oxidation resistance and thermal stability at high temperatures
- Outstanding rust and corrosion protection, including resistance to saltwater corrosion
- Excellent extreme-pressure and antiwear properties
- Outstanding resistance to water washout
- Excellent shear stability
- High dropping point (>550°F)

**Premium
Extreme-Pressure,
Corrosion-Preventive
Calcium Sulfonate
Grease**

Contact Information

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

**Technical Hot Line:
1-800-766-0050**

**International
Customer Service:
+1-832-486-3363
+1-832-486-3870**

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- Light-colored, low staining
- NLGI GC-LB certified (Grade No. 2)

Omniguard®

Typical Properties

NLGI Grade	1	2
Thickener	Calcium Sulfonate	Calcium Sulfonate
Color	Tan	Tan
Dropping Point, °C (°F)	300 (572)	300 (572)
Density, lbs/gal	8.29	8.29
Penetration, Worked (60 strokes), ASTM D217	310-340	265-295
Texture	Smooth	Smooth
Four-Ball EP, ASTM D2596, Weld Load, kgf	500	500
Four-Ball Wear, ASTM D2266, Scar Diameter, mm	0.39	0.39
Oxidation Stability, ASTM D942, 100 hours,		
Pressure Drop, psi (kPa)	0 (0)	0 (0)
Roll Stability, ASTM D1831, Change in Penetration, %	7	7
Rust Prevention, ASTM D1743	Pass	Pass
Shear Stability, ASTM D217, Change (100,000 strokes), %	1	1
Timken OK Load, ASTM D2509, lb	65	65
Water Washout Resistance, ASTM D1264, Weight Loss @ 175°F, %	2.81	2.81
Base Oil Properties:		
Viscosity,		
cSt @ 40°C	219	219
cSt @ 100°C	18.8	18.8
SUS @ 100°F	1,160	1,160
SUS @ 210°F	96	96
Viscosity Index	95	95
Usable Temperature Range,		
°C	-18 to 232	-18 to 232
°F	0 to 450	0 to 450

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>.

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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