



Omniguard®

Phillips 66® 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 base oils and a non-soap, calcium sulfonate thickener. It is fortified with 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 at high temperatures and exposed to water contamination, high humidity or corrosive environmental conditions
- Marine equipment, heavy mobile equipment and cables exposed to salt water
- 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
- 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)
- Light-colored, low staining
- NLGI GC-LB certified (Grade No. 2)

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

**KEEPING THE
WORLD
RUNNING
SMOOTHLY.**





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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, ASTM D217 (worked 60 strokes)	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 hrs		
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	96	96
Usable Temperature Range		
°C	-29 to 177	-29 to 177
°F	-20 to 350	-20 to 350

Health & Safety Information

For recommendations on safe handling and use of this product, please refer to the Safety Data Sheet via <http://www.phillips66.com/EN/products/Pages/MSDS.aspx>.