



Triton®

Phillips 66® Triton is a premium quality, synthetic, extreme-pressure (EP) lithium complex grease specifically developed to provide outstanding protection for industrial and automotive equipment operating at extreme temperatures or over a wide temperature range. It is available in three grades to cover a wide range of applications.

Triton is manufactured with synthetic polyalphaolefin (PAO) base oils and a lithium complex soap thickener. It is fortified with extreme-pressure and antiwear additives plus rust and oxidation inhibitors to provide excellent wear protection, protection against rust and corrosion, and long service life. It has outstanding oxidation resistance at high temperatures and outstanding pumpability at low temperatures.

Triton 100 is an NLGI No. 2 grease formulated with an ISO VG 100 base oil. It is recommended for lubrication of lightly loaded, high-speed bearings such as those found in electric motors and fans.

Triton 220 is an NLGI No. 2 grease formulated with an ISO VG 220 base oil. It is NLGI GC-LB certified for use as an automotive wheel bearing and chassis grease, and also is recommended for lubrication of medium-speed bearings in industrial equipment.

Triton 460 is a heavy-duty, NLGI No. 1.5 grease formulated with an ISO VG 460 base oil. It is recommended for lubrication of low- to medium-speed bearings in industrial, mining and mobile equipment operating under heavy loads and/or wet conditions.

Applications

- Lightly loaded, high-speed bearings in electric motors and fans (100 grade)
- Chassis parts and wheel bearings on passenger cars, trucks and other mobile equipment (220 grade)
- Heavily loaded plain and rolling-element bearings in industrial, mining and marine equipment, and in off-highway mobile equipment (220 & 460 grades)

Features/Benefits

- Outstanding oxidation resistance and thermal stability at high temperatures
- Outstanding pumpability at low temperatures
- Excellent wear protection for longer equipment life
- High load-carrying capacity
- Protects against rust and corrosion
- Good resistance to water washout
- NLGI GC-LB certified (220 grade)

**Premium
Synthetic,
Extreme-
Pressure
Lithium
Complex Grease**

**KEEPING THE
WORLD
RUNNING
SMOOTHLY.**





Triton®

Typical Properties			
Grade	100	220	460
NLGI Grade	2	2	1.5
Thickener	Lithium Complex	Lithium Complex	Lithium Complex
Color	Purple	Purple	Purple
Dropping Point, °C (°F)	>260 (>500)	>260 (>500)	>260 (>500)
Density, lbs/gal	7.22	7.23	7.24
Penetration, ASTM D217 (worked 60 strokes)	265-295	265-295	295-310
Texture	Smooth	Smooth	Smooth
Four-Ball EP, ASTM D2596, Weld Load, kgf	250	250	250
Four-Ball Wear, ASTM D2266, Scar Diameter, mm	0.60	0.60	0.60
Oxidation Stability, ASTM D942, 100 hrs			
Pressure Drop, psi (kPa)	5 (35)	5 (35)	5 (35)
Rust Prevention, ASTM D1743	Pass	Pass	Pass
Timken OK Load, ASTM D2509, lb	55	55	55
U.S. Steel Mobility Test, LT37, g/min			
@ -40°C (-40°F)	---	---	1.8
@ -29°C (-20°F)	---	---	3.0
@ -18°C (0°F)	---	---	10.2
@ -7°C (20°F)	---	---	28.8
@ 4°C (40°F)	---	---	66.0
Water Washout Resistance, ASTM D1264			
175°F, Wt Loss, %	<6	<5	<5
Base Oil Properties:			
Viscosity			
cSt @ 40°C	105	220	460
cSt @ 100°C	14.4	24.6	44.3
SUS @ 100°F	540	1,140	2,400
SUS @ 210°F	77	122	214
Viscosity Index	140	140	150
Usable Temperature Range			
°C	-40 to 177	-40 to 177	-40 to 177
°F	-40 to 350	-40 to 350	-40 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>.

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.