



RedTac®

Phillips 66® RedTac is an adhesive, multipurpose, extreme-pressure lithium grease developed for use in a wide variety of automotive and industrial applications. It contains a polymer and a tackiness additive that provides improved retention, reduced leakage and outstanding resistance to water washout.

RedTac is manufactured with high-quality base oils, a special polymer and lithium-12-hydroxystearate soap thickener. It is fortified with extreme-pressure and antiwear additives, rust and oxidation inhibitors and a tackiness additive. It has good oxidation resistance, high load-carrying capacity for excellent wear protection, and protects metal parts against rust and corrosion. It provides a high level of adhesion to the bearing surface for improved retention and resistance to water washout, and has excellent resistance to structural breakdown even under severe operating conditions.

Applications

- Automotive chassis parts such as steering knuckles, ball joints, U-joints and tie-rod ends
- Wheel bearings on passenger cars and heavy equipment equipped with drum brakes
- Moderately loaded plain and rolling-element bearings in industrial equipment
- Enclosed industrial gear drives that require a semi-fluid, heavy base oil, extreme-pressure grease (NLGI Grade No. 0)
- Agricultural and construction equipment where an adhesive, water-resistant, extreme-pressure lithium grease is required

Features/Benefits

- Good high-temperature performance
- Adhesive; stays put
- Excellent resistance to water washout
- High load-carrying capacity
- Excellent wear protection
- Protects against rust and corrosion
- Good low-temperature pumpability

**Adhesive,
Multipurpose
Extreme-
Pressure
Lithium Grease**

KEEPING THE
WORLD
RUNNING
SMOOTHLY. 



RedTac®

Typical Properties			
NLGI Grade	0	1	2
Thickener	Lithium	Lithium	Lithium
Color	Red	Red	Red
Dropping Point, °C (°F)	190 (374)	190 (374)	190 (374)
Density, lbs/gal	7.44	7.44	7.50
Penetration, Worked (60 strokes), ASTM D217	355-385	310-340	265-295
Texture	Tacky	Tacky	Tacky
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	60	60	60
Base Oil Properties			
Viscosity (with polymer)			
cSt @ 40°C	420	420	420
cSt @ 100°C	27.2	27.2	27.2
SUS @ 100°F	2,260	2,260	2,260
SUS @ 210°F	134	134	134
Viscosity Index	89	89	89
Usable Temperature Range			
°C	-12 to 121	-12 to 135	-12 to 135
°F	10 to 250	10 to 275	10 to 275

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>.