



Multiplex Red

Multiplex Red is a premium quality, multipurpose, extreme-pressure lithium complex grease developed to satisfy the severe lubrication requirements of heavily loaded plain and rolling element bearings operating at medium to high temperatures. It is particularly recommended for use in automotive and industrial applications that are too severe or require higher performance than that provided by conventional EP lithium greases.

Multiplex Red is manufactured with high quality paraffinic base oils thickened with lithium complex soap. It contains an effective extreme-pressure additive, a tackifier, and rust and oxidation inhibitors to provide outstanding wear protection, excellent thermal stability at high temperatures, and excellent resistance to corrosion and water washout. It forms an effective seal to help minimize bearing contamination and provides a high level of adhesion to the bearing surface for improved retention, reduced leakage, and resistance to water washout. It is dyed red for ease of identification.

Multiplex Red is NLGI GC-LB certified for use as a multipurpose automotive wheel bearing and chassis lubricant.

Applications

- Wheel bearings of passenger cars, trucks, high performance vehicles, sport utility vehicles and motorcycles equipped with disc brakes
- Ball joints, universal joints, other chassis points and water pumps on passenger cars, trucks and other mobile equipment
- Heavily loaded plain and rolling element bearings in industrial, mining and mobile equipment where a water-resistant, high temperature grease is required

Outstanding Features

- Excellent high-temperature performance
- Outstanding wear protection
- Excellent load-carrying ability (80-lb Timken OK Load rating)
- Excellent rust and corrosion inhibition
- Excellent resistance to water washout
- Good low-temperature pumpability
- NLGI GC-LB certified

**Premium Quality,
Multipurpose,
Extreme-Pressure
Lithium Complex
Grease; NLGI GC-LB
Certified**

**U.S. Technical Services
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1-800-766-0050**

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Multiplex Red

Typical Properties

NLGI Grade	1	2
Thickener	Lithium Complex	Lithium Complex
Color	Dark Red	Dark Red
Dropping Point, °C (°F)	271 (520)	271 (520)
Density, lbs/gal	7.48	7.48
Penetration, ASTM D217 (worked 60 strokes)	325	280
Texture	Tacky	Tacky
Four-Ball EP, ASTM D2596, Weld Load, kgf	400	400
Four-Ball Wear, ASTM D2266, Scar Diameter, mm	0.32	0.32
Oxidation Stability, ASTM D942, 100 hrs,		
Pressure Drop, psi (kPa)	5 (35)	5 (35)
Rust Prevention, ASTM D1743	Pass	Pass
Timken OK Load, ASTM D2509, lb	80	80
U.S. Steel Mobility, g/sec		
@ 4°C (40°F)	2.18	1.04
@ -7°C (20°F)	0.57	0.26
@ -18°C (0°F)	0.11	0.05
Base Oil Properties:		
Viscosity,		
cSt @ 40°C	170	220
cSt @ 100°C	13.8	18.0
SUS @ 100°F	905	1,170
SUS @ 210°F	75	93
Viscosity Index	85	85
Usable Temperature Range,		
°C	-29 to 204	-23 to 204
°F	-20 to 400	-10 to 400

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

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