



LUBRICANTS

## Multiplex® 600

Phillips 66® Multiplex 600 is a high quality, multipurpose, extreme pressure (EP) lithium complex grease developed for the lubrication of automotive and industrial equipment operating under heavy loads and at moderate to high temperatures. It is recommended for use in a variety of automotive, agricultural, construction, mining and industrial applications. It is NLGI GC-LB certified for use as a multipurpose automotive wheel bearing and chassis lubricant.

Multiplex 600 is manufactured with high quality base oils, a special polymer and a lithium complex soap thickener. It is fortified with EP and antiwear additives plus rust and oxidation inhibitors. It has excellent thermal stability at high temperatures, high load carrying capacity for excellent wear protection, and protects metal parts against rust and corrosion. Its tackiness properties and heavy base oil provide a high level of adhesion to bearing surfaces maintaining an effective seal to help minimize bearing contamination, improve retention, reduce leakage and provide excellent resistance to water washout.

### Applications

- Agricultural, construction, mining and industrial equipment operating under heavy or shock loads
- Wheel bearings of passenger cars, trucks, high performance vehicles, sport utility vehicles and motorcycles equipped with disc brakes
- Ball joints, universal joints, other chassis parts and water pumps on passenger cars, trucks and other mobile equipment
- Conveyor bearings
- Pellet mills manufactured by Bliss Industries (Grade No. 2)

### Features/Benefits

- Excellent high temperature performance
- Excellent wear protection
- High load carrying capacity
- Protects against rust and corrosion
- Excellent resistance to water washout
- Good low temperature pumpability
- NLGI GC-LB certified

**Multipurpose  
Heavy Base Oil  
Extreme Pressure  
Lithium Complex  
Grease  
NLGI GC-LB  
Certified**

**KEEPING THE  
WORLD  
RUNNING  
SMOOTHLY.**





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## Multiplex® 600

| Typical Properties                        |            |                 |                 |
|-------------------------------------------|------------|-----------------|-----------------|
| NLGI Grade                                |            | 1               | 2               |
| Thickener Type                            |            | Lithium Complex | Lithium Complex |
| Color                                     |            | Red             | Red             |
| Texture                                   |            | Smooth/Tacky    | Smooth/Tacky    |
| Density, lbs/gal                          |            | 7.82            | 7.83            |
| Dropping Point, °C (°F)                   | ASTM D2265 | >260 (>500)     | >260 (>500)     |
| Viscosity, Kinematic                      | ASTM D445  |                 |                 |
| Viscosity @ 40°C, cSt                     |            | 630             | 630             |
| Viscosity @ 100°C, cSt                    |            | 44              | 44              |
| Penetration, Worked (60 strokes)          | ASTM D217  | 310-340         | 265-295         |
| Oxidation Stability, 100 Hours, psi (kPa) | ASTM D942  | 2 (13.8)        | 2 (13.8)        |
| Four-Ball Wear Scar, mm                   | ASTM D2266 | 0.48            | 0.59            |
| Four-Ball EP, Weld Load, Kgf              | ASTM D2596 | 500             | 500             |
| Timken OK Load, lbs                       | ASTM D2509 | 80              | 80              |
| Corrosion Prevention                      | ASTM D1743 | Pass            | Pass            |
| Copper Corrosion                          | ASTM D4048 | 1a              | 1a              |
| Water Wash-out, wt%                       | ASTM D1264 | 5               | 5               |

## 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/SDS>

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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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