



## Multiplex® FS 32

Phillips 66® Multiplex FS 32 is a premium quality, synthetic, extreme pressure (EP), lithium complex grease developed to provide outstanding protection for lightly loaded industrial equipment, chassis parts and sliding mechanisms operating at moderate to very low temperatures.

Multiplex FS 32 is manufactured with a low viscosity synthetic polyalphaolefin (PAO) base oil and a lithium complex soap thickener. It is fortified with EP and antiwear additives plus rust and oxidation inhibitors to provide excellent wear protection, corrosion resistance and long service life. It has outstanding pumpability at low temperatures and has been used successfully with conventional grease guns to lubricate ski lifts and similar equipment operating at temperatures as low as -48°C (-55°F).

### Applications

- Plain and rolling element bearings on pulleys and conveyors operating in arctic climates
- Ski lift equipment
- Sliding mechanisms on automobile seats and industrial equipment
- Chassis parts on mobile equipment operating in arctic climates

### Features/Benefits

- Outstanding pumpability at moderate to very low temperatures
- Excellent protection in subzero weather conditions
- Excellent wear protection
- Protects against rust and corrosion

**Premium  
Synthetic  
Low Temperature  
Extreme Pressure  
Lithium Complex  
Grease**

KEEPING THE  
WORLD  
RUNNING  
SMOOTHLY. 



### Multiplex® FS 32

Typical Properties		
NLGI Grade		<b>1</b>
Thickener Type		Lithium Complex
Color		Purple
Texture		Smooth
Density, lbs/gal		7.21
Dropping Point, °C (°F)	ASTM D2265	>260 (>500)
Viscosity, Kinematic	ASTM D445	
Viscosity @ 40°C, cSt		29
Viscosity @ 100°C, cSt		5.6
Penetration, Worked (60 strokes)	ASTM D217	310-340
Oxidation Stability, 100 Hours, psi (kPa)	ASTM D942	2 (13.8)
Four-Ball Wear Scar, mm	ASTM D2266	0.42
Four-Ball EP, Weld Load, Kgf	ASTM D2596	315
Timken OK Load, lbs	ASTM D2509	40
Corrosion Prevention	ASTM D1743	Pass
Copper Corrosion	ASTM D4048	1a

### 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>.