



## Almaplex® Ultra-Syn Lubricant

	<u>1299</u>
<b>Thickener Type</b>	Aluminum Complex
<b>Texture</b>	Stringy
<b>Color</b>	Gold
<b>NLGI Grade</b>	2
<b>Worked 60 Penetration</b> ASTM D217	287
<b>Worked 10K Penetration</b> ASTM D217	290
<b>Dropping Point</b> °C (°F), ASTM D2265	273 (523)
<b>Base Fluid Characteristics</b>	
<b>Viscosity</b> @ 40°C, cSt, ASTM D445	460
<b>Corrosion Prevention</b> DI H <sub>2</sub> O, ASTM D1743	Pass
<b>Corrosion Prevention</b> 3% Sea H <sub>2</sub> O, ASTM D5969	Pass
<b>EMCOR Rust Test</b> DI H <sub>2</sub> O, ASTM D6138	0,0
<b>Oil Separation</b> 30 hrs @ 100°C (212°F), % Bleed, ASTM D6184	<2
<b>Timken OK Load</b> lbs, ASTM D2509	55
<b>Four-Ball EP</b> ASTM D2596	
Weld Point, kgf	315
Load Wear Index, kgf	69.7
<b>Four-Ball Wear</b> @ 75°C (167°F), 1,200 rpm, 40 kgf, 60 minutes, mm wear, ASTM D2266	0.49
<b>Water Spray-off</b> % Loss, ASTM D4049	6.6
<b>Water Wash-out</b> @ 80°C (176°F), % loss, ASTM D1264	0.45
<b>Copper Corrosion</b> 24 hrs @ 100°C (212°F), ASTM D4048	1b
<b>Grease Mobility</b> 100 psi @ -18°C (0°F), gm/sec, USX Mobility procedure	2.4
<b>Lincoln Ventmeter</b> psi @ -1°C (30°F), Lincoln Ventmeter procedure, psi	300
<b>High Temperature Life</b> hours, ASTM D3527	120.5
<b>Leakage Tendencies</b> % loss, ASTM D4290	0.92
<b>Low Temperature Torque</b> @ -40°C (-40°F), N-m	<10

### Typical Applications

- Ball mill and kiln pinion support bearings
- Chassis
- Construction, agricultural and mining equipment
- Extruders
- Filter presses, dewatering presses
- Hammer mills
- Paper mill wet end, press rolls, felt rolls and calendar stack bearings
- Steel mill hot end and heavily loaded bearings
- Wheel bearings

