



PRODUCT DATA SHEET



TERMALENE[®] EXTREME PRESSURE GREASE LC

Termalene Extreme Pressure Grease LC is a severe duty lithium complex grease recommended for general lubrication service in both mining and industrial applications. **Termalene Extreme Pressure Grease LC** will replace most conventional and specialized products. Its low oil separation and good pumpability make it ideal for use in centralized lubrication systems and its Extreme Pressure protection and mechanical stability make it ideal for use in high load, high shear applications. **Termalene Extreme Pressure Grease LC**'s water resistance and resistance to oxidation increases grease and bearing life. **Termalene Extreme Pressure Grease LC 2** meets NLGI GC-LB multi-purpose grease requirements for wheel bearing and heavy-duty chassis lubrication.

Applications

- ◆ Typical mining applications include main machinery bearings on draglines and electric rope shovels, process equipment anti-friction bearings and low and high speed journal bearings, conveyors, shaker or classifier bearings, crusher bearings and most heavy-duty applications
- ◆ Typical industrial and mobile equipment applications are anti-friction bearings, low- and high speed journal bearings, general machinery lubrication, all chassis points including ball and universal joints, wheel bearings, king pins, fifth wheels and other severe duty applications

Features and Benefits

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|----------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| ◆ Mechanical stability | Provides excellent mechanical stability for superior bearing retention resulting in potential reduced grease consumption. |
| ◆ Extreme Pressure and Anti-wear | Reduces friction and wear promoting extended component life. |
| ◆ Water resistant | Excellent resistance to water washout. Provides protection in the wettest environments. |

General Description

Termalene Extreme Pressure Grease LC is a multipurpose, Extreme Pressure, water resistant lithium complex grease. It provides outstanding film strength, adhesive properties, superior wear protection in heavily loaded and shock-load conditions. This product provides excellent lubrication over a wide range of operating conditions.

Product No. 301086, 301327, 701328, 301087, 301329

TERMALENE® EXTREME PRESSURE GREASE LC

TYPICAL PROPERTIES

<u>Product No.</u>	<u>301086</u>	<u>301327</u>	<u>301328</u>	<u>301087</u>	<u>301329</u>
<u>Old Product No.</u>	<u>70316</u>	<u>70317</u>	<u>70318</u>	<u>70319</u>	<u>70320</u>
NLGI Grade	000	00	0	1	2
Penetration, worked (60 strokes) ASTM D217, mm/10	460	415	370	325	280
Thickener Type	Lithium Complex	Lithium Complex	Lithium Complex	Lithium Complex	Lithium Complex
Viscosity (Base Fluid), ASTM D445 @ 40°C, cSt	150	224	224	224	224
@ 100°C, cSt	14.4	18.9	18.9	18.9	18.9
Dropping Point, ASTM D2265 °C	--	202	221	245	288
(°F)	--	(396)	(430)	(473)	(550)
Copper Strip Corrosion, ASTM D4048 24 hrs @ 100°C, rating	1b	1b	1b	1b	1b
Water Washout, ASTM D1264 @ 38°C (100°F), loss, weight %	--	--	11.0	3.50	3.61
@ 79°C (175°F), loss, weight %	--	--	--	3.97	2.28
4-Ball EP Test, ASTM D2596 Weld Load, kg	250	250	250	250	315
Load Wear Index, kg	53.9	53.9	53.9	53.9	60.0
4-Ball Wear Test, ASTM D2266 @ 1200 rpm, 40 kg, 1 hr, 75°C Scar Diameter, mm	0.46	0.46	0.46	0.46	0.53
Timken EP Test, ASTM D2509 OK Load, kg (lb)	22.8 (50)	22.8 (50)	22.8 (50)	22.8 (50)	22.8 (50)
Rust Protection, ASTM D1743, rating	Pass	Pass	Pass	Pass	Pass
Application Temperature Range °C	-40 to 130	-40 to 130	-40 to 130	-40 to 177	-40 to 177
(°F)	(-40 to 266)	(-40 to 266)	(-40 to 266)	(-40 to 350)	(-40 to 350)
Color	Red	Red	Red	Red	Red