Termalene® Extreme Pressure Grease LC

PRODUCT DESCRIPTION

Termalene® Extreme Pressure Grease LC is a multipurpose lithium complex grease recommended for severe duty, high-performance general purpose lubrication applications. Termalene Extreme Pressure Grease LC is a general purpose grease designed to replace many conventional and specialized greases, which simplifies lubrication programs and reduces inventory requirements. Its low oil separation and good low temperature 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 high oxidation stability increases grease and bearing life.

PRODUCT FEATURES and BENEFITS

- Exhibits low oil separation and good low temperature pumpability, making it well suited for centralized lubrication systems.
- The balanced high extreme pressure and anti-wear properties designed for heavily loaded anti-friction bearings and journal bearings operating in normal to adverse conditions.
- Robust rust and corrosion inhibitors protect critical machine components in wet conditions.
- Outstanding water resistance and high oxidation stability help extend grease service life and promote longer bearing life, supporting improved equipment reliability and reduced maintenance intervals.

APPLICATIONS

Termalene Extreme Pressure Grease LC is designed for applications requiring an excellent general purpose lithium complex grease. This multipurpose grease can be used in automotive, agricultural, construction, forestry and logging, mining, oil and gas, and industrial applications. Typical industrial and mobile equipment applications are anti-friction bearings, journal bearings, general machinery lubrication, chassis points including ball and universal joints, wheel bearings, king pins, fifth wheels, and other severe duty applications. Mining applications include general lubrication of draglines and shovels, electric wheel motor sealing, anti-friction bearings, journal bearings, conveyor / shaker / classifier bearings, crusher bearings, and other heavy-duty applications.

SPECIFICATIONS and APPROVALS

Meets NLGI GC-LB performance requirements.

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6/4/2026

PRODUCT DATA

Typical Properties			
Property	Test Method	NLGI 1	NLGI 2
Worked Penetration @ 25°C, 60 strokes (0.1 mm)	ASTM D217	325	278
Thickener Type	-	Lithium Complex	Lithium Complex
Base Fluid Viscosity @ 40°C (cSt)	ASTM D445	220	220
Base Fluid Viscosity @ 100°C (cSt)	ASTM D445	25	25
Dropping Point, °C (°F)	ASTM D2265	273 (523)	273 (523)
Copper Corrosion, 3 h @ 100°C (Rating)	ASTM D130	1b	1b
Roll Stability 2 hr @ 20°C, dmm	ASTM D1831	<5	<5
Oil Separation, 24 hours @ 100°C (wt% loss)	ASTM D1742	2.9	2.9
Water Washout @ 79°C (wt% loss)	ASTM D1264	2.9	2.9
4-Ball EP Test, Weld Load (kgf)	ASTM D2596	500	500
4-Ball Wear Test, @ 1200 rpm, 40 kgf, 60 min, 75°C Scar Diameter (mm)	ASTM D2266	0.42	0.42
Timken EP Test, OK Load (lbs)	ASTM D2509	29.6	29.6
Corrosion Preventive Properties	ASTM D1743	Pass	Pass
High Temperature Life, hr	ASTM D3527	>80	>80
Low Temperature Torque @ -40°C, N•m	ASTM D4693	7.0	7.0
Color	Visual	Red	Red

HEALTH and SAFETY

Health and safety recommendations for products can be found on the Safety Data Sheet (SDS) at www.belray.com

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