



Termalene® Multipurpose Extreme Pressure Grease

PRODUCT DESCRIPTION

Bel-Ray® Termalene® Multipurpose Extreme Pressure Grease, commonly known as Termalene EP Grease, is a severe duty, impact resistant, aluminum complex grease recommended for general lubrication service in both mining and industrial applications. Termalene Multipurpose Extreme Pressure Grease 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 Multipurpose Extreme Pressure Grease's water resistance and resistance to oxidation increase grease and bearing life.

PRODUCT FEATURES

- Mechanical stability
- High load capacity
- Water resistant

BENEFITS

- Maintain consistency in high shear conditions and extends lubrication frequencies
- Impact resistance and superior retention properties
- Excellent lubrication in the presence of water and protection against rust
- Extends bearing life.

APPLICATIONS

- Typical mining applications are general lubrication on draglines and shovels, electric wheel motor sealing, anti-friction bearings, low- and high speed journal bearings, conveyors, shaker or classifier bearings, crusher bearings and most any heavy-duty application
- 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



PRODUCT DATA

Typical Properties			
Property	Test Method	NLGI Grade 1	NLGI Grade 2
Thickener Type		Aluminum Complex	Aluminum Complex
Worked Penetration @ 25°C, 60 strokes (0.1 mm)	ASTM D217	325	280
Base Fluid Viscosity @ 40°C (cSt)	ASTM D445	220	180
Base Fluid Viscosity @ 100°C (cSt)	ASTM D445	19.3	16.2
Dropping Point, °C (°F)	ASTM D2265	254 (490)	265 (509)
Oxidation Stability, Pressure drop @ 100 hrs (kPa)	ASTM D942	13.8 (2)	13.8 (2)
Water Washout @79°C (175°F), % loss	ASTM D1264	1.3	0.5
4-Ball EP Test, Weld Load (kgf)	ASTM D2596	400	400
4-Ball EP Test, Load-Wear Index (kgf)	ASTM D2596	65.7	65.7
4-Ball Wear Test, @ 1200 rpm, 40 kgf, 60 min, 75°C Scar Diameter (mm)	ASTM D2266	0.45	0.42
Timken EP Test, OK Load (lbs)	ASTM D2509	22.8 (50)	22.8 (50)
Corrosion Preventive Properties	ASTM D1743	Pass	Pass
EMCOR Rust Protection, rating, Distilled Water	ASTM D6138	0, 0	0, 0
Useful Temperature Range, °C (°F)		-40 to 177 (-40 to 350)	-40 to 177 (-40 to 350)
Color		Red	Red

HEALTH and SAFETY

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