



PRODUCT DATA SHEET



TERMALENE[®] MULTIPURPOSE EXTREME PRESSURE GREASE

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.

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

Features and Benefits

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|------------------------|--|
| ◆ Mechanical stability | Maintain consistency in high shear conditions. Extends lubrication frequencies. |
| ◆ High load capacity | Impact resistance. Superior retention properties. |
| ◆ Water resistant | Excellent lubrication in the presence of water. Superior retention properties and protection against rust. Extends bearing life. |

General Description

Termalene Multipurpose Extreme Pressure Grease is a multipurpose, Extreme Pressure, water resistant aluminum 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. 72400, 72420, 72440

TERMALENE[®]
MULTIPURPOSE EXTREME PRESSURE GREASE
TYPICAL PROPERTIES

| <u>Product No.</u> | <u>72400</u> | <u>72420</u> | <u>72440</u> |
|--|---------------------|---------------------|---------------------|
| NLGI Grade | 0 | 1 | 2 |
| Penetration, worked (60 strokes) ASTM D217, mm/10 | 370 | 325 | 280 |
| Thickener Type | Aluminum Complex | Aluminum Complex | Aluminum Complex |
| Viscosity (Base Fluid), ASTM D445 @ 40°C, cSt | 180 | 220 | 180 |
| @ 100°C, cSt | 16.2 | 19.3 | 16.2 |
| Viscosity (Base Fluid), ASTM D2161 @ 100°F, SUS | 950 | 1189 | 950 |
| @ 210°F, SUS | 84.7 | 98.1 | 84.7 |
| Dropping Point, ASTM D2265 °C | 249 | 254 | >260 |
| (°F) | (480) | (490) | (>500) |
| Oxidation Stability, ASTM D942 Pressure Drop @ 100 hrs, kPa (psi) | 20.7 (3) | 13.8 (2) | 13.8 (2) |
| Water Washout, ASTM D1264 @ 38°C (100°F), loss, weight % | 3.5 | 1.3 | 0.5 |
| @ 79°C (175°F), loss, weight % | 11.0 | 5.5 | 4.5 |
| 4-Ball EP Test, ASTM D2596 Weld Load, kg | 400 | 400 | 400 |
| Load Wear Index, kg | 65.7 | 65.7 | 65.7 |
| Timken EP Test, ASTM D2509 OK Load, kg (lb) | 22.8 (50) | 22.8 (50) | 22.8 (50) |
| Rust Protection, ASTM D1743, rating | Pass | Pass | Pass |
| EMCOR Rust Protection, ASTM D6138 | 0, 0 | 0, 0 | 0, 0 |
| Reversibility | Excellent | Excellent | Excellent |
| Color | Red | Red | Red |