

## ExxonMobil Mobil Centaur Moly 1

Category : Fluid , Lubricant , Calcium Gellant

### Material Notes:

Mobil Centaur Moly is a premium quality grease formulated with advanced calcium sulfonate thickener technology. The calcium sulfonate thickener in the Mobil Centaur Moly products represents a significant advance in grease formulation technology. Unlike conventional soap-base thickeners (i.e. lithium, aluminium, and calcium soaps), the calcium sulfonate thickener does much more than simply impart consistency. It imparts excellent corrosion and water-resistance properties to the grease and has inherent extreme-pressure protection properties that enhance load-carrying ability. Further, the EP properties derived from the calcium thickener also have inherently better thermal stability than those from conventional Sulphur/Phosphorus EP additives. Fortified with molybdenum disulphide to complement its robust extreme-pressure additive system, Mobil Centaur Moly is particularly well suited to meet the demanding lubrication requirements of heavy-duty truck chassis, construction and mining equipment, and heavily load industrial bearings. Mobil Centaur Moly also provides outstanding resistance against the effects of water washout, water spray-off and corrosion. Mobil Centaur Moly products are highly recommended for heavily loaded applications or environments highly contaminated with water. Specific examples of such applications include: Heavy-duty trucks, including chassis, spring shackles, king pins, tie rods, u-joints, hinge and bucket pins and fifth wheels; Mining and construction equipment; Marine equipment; Highly loaded industrial bearings

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ExxonMobil-Mobil-Centaur-Moly-1.php](http://www.lookpolymers.com/polymer_ExxonMobil-Mobil-Centaur-Moly-1.php)

| Physical Properties                 | Metric  | English | Comments  |
|-------------------------------------|---------|---------|-----------|
| Kinematic Viscosity at 40°C (104°F) | 320 cSt | 320 cSt | ASTM D445 |

| Mechanical Properties                 | Metric   | English        | Comments                    |
|---------------------------------------|----------|----------------|-----------------------------|
| Four Ball Extreme Pressure, Weld Load | 500 kg   | 1100 lb (mass) | ASTM D2596                  |
| Four Ball Wear                        | 0.500 mm | 0.0197 in      | 40 kg, 1200 rpm; ASTM D2266 |
| Penetration                           | 325      | 325            | Worked, 25°C; ASTM D217     |
| Timken Test                           | 27200 g  | 60.0 lb        |                             |

| Thermal Properties | Metric | English | Comments   |
|--------------------|--------|---------|------------|
| Dropping Point     | 288 °C | 550 °F  | ASTM D2265 |

| Descriptive Properties                          | Value             | Comments |
|---|-------------------|----------|
| Color   | grey              |          |
| Soap/Thickener Type                             | calcium sulfonate |          |
| Water Spray Resistance, ASTM D4049, % Spray-off | 25                |          |
| Water Washout, ASTM D1264, wt%                  | 1                 | @ 79°C   |

| Descriptive Properties | Value | Comments |
|------------------------|-------|----------|
|------------------------|-------|----------|

## Contact Songhan Plastic Technology Co.,Ltd.

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