

## ExxonMobil Mobil 1 Synthetic Grease

Category : Fluid , Lubricant , Lithium Gellant

**Material Notes:**

Mobil 1 Synthetic Grease is an NLGI No 2 high-performance grease which combines a synthetic base fluid with a lithium complex soap thickener. The thickener system provides a high dropping point, while additives impart optimum extreme-pressure properties and excellent resistance to water wash, and outstanding protection against rust and corrosion. Mobil 1 Synthetic Grease has excellent structural stability and low-temperature pumpability, making it an outstanding automotive grease. Mobil 1 Synthetic Grease meets the requirements of the National Lubricating Grease institute (NLGI) performance classification GC-LB. It is recommended for automotive applications at both high and low temperatures. It is particularly suited for applications such as disc brake wheel bearings, ball and steering joints, and universal joints. It will provide outstanding bearing protection under heavy loads at any highway speed, and where moisture or condensation is a factor.

Order this product through the following link:

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

| Physical Properties                  | Metric   | English  | Comments  |
|--------------------------------------|----------|----------|-----------|
| Kinematic Viscosity at 40°C (104°F)  | 220 cSt  | 220 cSt  | ASTM D445 |
| Kinematic Viscosity at 100°C (212°F) | 23.8 cSt | 23.8 cSt | ASTM D445 |

| Mechanical Properties                       | Metric   | English       | Comments                           |
|---|----------|---------------|------------------------------------|
| Four Ball Extreme Pressure, Load Wear Index | 45       | 45            |                                    |
| Four Ball Extreme Pressure, Weld Load       | 250 kg   | 551 lb (mass) | ASTM D2596                         |
| Four Ball Wear                              | 0.400 mm | 0.0157 in     | ASTM D2266                         |
| Penetration                                 | 280      | 280           | Worked x 60 strokes; ASTM D217     |
|   | 295      | 295           | Worked x 10000 strokes; ASTM D217  |
|   | 305      | 305           | Worked x 100000 strokes; ASTM D217 |
| Timken Test                                 | 20400 g  | 45.0 lb       |                                    |

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

| Descriptive Properties           | Value | Comments |
|----------------------------------|-------|----------|
| Color                            | red   |          |
| Corrosion Prevention, ASTM D1743 | pass  |          |

| Descriptive Properties         | Value               | Comments |
|--------------------------------|---------------------|----------|
| Soap/Thickener Type            | lithium complex     |          |
| Structure                      | smooth; slight tack |          |
| Water Washout, ASTM D1264, wt% | 6                   | @ 79°C   |

## Contact Songhan Plastic Technology Co.,Ltd.

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