

ChevronTexaco FM NLGI 2 Grease EP

Category : Fluid , Lubricant , Urea Gellant

Material Notes:

Features Chevron FM Greases EP are high performance, multipurpose food machinery greases that are white in color, odorless, tasteless, and water-resistant. Available in three grades, Chevron FM Greases EP were developed for the food processing and canning industries. Chevron FM Greases EP are a blend of a synthetic polyurea complex thickener and food grade white oils (Group II) containing a highly effective rust inhibitor. They are smooth and buttery in texture, and are slightly tacky. All grades contain a specially blended higher viscosity white mineral oil that imparts improved adhesive and stringiness properties to the grease. **Applications** Chevron FM Greases EP are multipurpose lubricants for all grease lubricated machinery in canneries, beverage bottlers and canners, potato/corn chip processors, candy manufacturers, meat and poultry packers, frozen food processors, and other food producers and processors. They are specifically recommended for critical applications where there is a possibility of the lubricant becoming an incidental or accidental food ingredient. NLGI 1 and 2 are preferred for general plant lubrication including applications such as electric motors and wheeled vehicles where USDA H2 lubricants are often used. NLGI 2 is also recommended for those applications where the grease is exposed to high temperatures, steam, and centrifugal action causing throw-off.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ChevronTexaco-FM-NLGI-2-Grease-EP.php

| Physical Properties | Metric | English | Comments |
|--------------------------------------|----------|----------|-----------------------------|
| Viscosity Measurement | 109 | 109 | Viscosity Index; ASTM D2270 |
| | 220 | 220 | ISO viscosity grade |
| Saybolt Viscosity at 100°F | 1060 SUS | 1060 SUS | |
| Saybolt Viscosity at 210°F | 98 SUS | 98 SUS | |
| Kinematic Viscosity at 40°C (104°F) | 202 cSt | 202 cSt | ASTM D445 |
| Kinematic Viscosity at 100°C (212°F) | 19.4 cSt | 19.4 cSt | ASTM D445 |

| Mechanical Properties | Metric | English | Comments |
|---------------------------------------|----------|---------------|----------|
| Four Ball Extreme Pressure, Weld Load | 315 kg | 695 lb (mass) | |
| Four Ball Wear | 0.440 mm | 0.0173 in | |
| Penetration | 280 | 280 | worked |
| Penetration P(0), 1/10 mm | 314 | 314 | |
| Timken Test | 13600 g | 30.0 lb | |

| Thermal Properties | Metric | English | Comments |
|----------------------------------|--------|---------|----------|
| Maximum Service Temperature, Air | 160 °C | 320 °F | |

| Thermal Properties | Metric | English | Comments |
|----------------------------------|----------|----------|----------|
| Minimum Service Temperature, Air | -40.0 °C | -40.0 °F | |
| Pour Point | -13.0 °C | 8.60 °F | ASTM D97 |
| Flash Point | 200 °C | 392 °F | ASTM D92 |
| Dropping Point | 287 °C | 549 °F | |

| Descriptive Properties | Value | Comments |
|---|--|----------|
| Color | white | |
| Lincoln Ventmeter, psig at 30 s, at 0°F | 50 | |
| Lincoln Ventmeter, psig at 30 s, at -22°F | too stiff at this temperature to pump through device | |
| Lincoln Ventmeter, psig at 30 s, at 30°F | 0 | |
| Lincoln Ventmeter, psig at 30 s, at 75°F | 0 | |
| Texture | smooth, buttery | |
| Thickener, % / type | 20.8 / Polyurea Complex | |

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