

# ThixOfood2

ThixOfood2 (food grade grease) is a high-performance food grade grease that excels in extreme conditions.

Combining advanced Extreme Pressure/ Anti Wear (EP/AW) superior high load and extreme pressure protection to over 1.4 GPa without the use of solid lubricants such as molybdenum compounds. Highly compatible with other types of greases.

**ThixOfood2: This is an approved NSF H1 registered grease #159557 with certificate #C0499242-01 and meeting FDA 21 CFR 178.3570.** For use as a multipurpose grease in food processing or machinery applications requiring grease where incidental food contact may occur. High temperature utilization is limited by the oxidation resistance of the white oil and not by the dropping point of the grease.

**HMA (HALAL) AND KOSHER Certified.**

## PowerSUM PowerUp

ThixOfood2's unique chemistry provides excellent low temperature pumpability, superior stability at high temperatures and has a high dropping point. Suitable for plain and anti-friction bearings, slides, and beverage processing such as seamer closers and other moving parts.

Excellent efficacy in wet and corrosive environments.



|             |                              |                         |
|-------------|------------------------------|-------------------------|
| Product ID# | 3415-400-30 (400g Tube x 30) | 3415-180-1 (180kg Drum) |
|             | 3415-17-1 (17kg Pail)        |                         |

| TYPICAL PROPERTIES                           | ASTM METHOD | ThixOsyn2            |
|----------------------------------------------|-------------|----------------------|
| NLGI Consistency Grade                       |             | 2                    |
| Appearance                                   |             | Tan, Smooth, Buttery |
| Worked Penetration (60 Strokes - mm/10)      | D 217       | 280                  |
| Dropping Point (°C)                          | D 2265      | >300 (572°F)         |
| Oil Separation (% W loss)                    | D 1742      | 0.1                  |
| BASE OIL PROPERTIES                          |             |                      |
| Viscosity @ 40°C (cSt)                       | D 445       | 95                   |
| Viscosity @ 100°C (cSt)                      | D 445       | 10.5                 |
| PERFORMANCE TESTING                          |             |                      |
| Timken OK load (kg)                          | D 2509      | 29.2 (64 lbs)        |
| 4 Ball EP - Load Wear Index                  | D 2596      | 55                   |
| 4 Ball EP - Weld Point (kgf)                 | D 2596      | 400                  |
| 4 Ball Wear (mm)                             | D 2266      | 0.45                 |
| Salt Fog Test (hrs to failure, 1 mil d.f.t.) | B 177       | >300 hrs             |
| Copper Corrosion                             | D 4048      | 1B                   |
| Bomb Oxidation (psi drop after 100 hrs)      | D 942       | 5.0                  |
| Bearing Life                                 | D 3527      | 180 hrs              |
| Water Washout (% loss @ 80°C [175°F])        | D 1264      | 0.3                  |
| Wheel Bearing Leakage (g loss)               | D 4290      | 1.0                  |
| Low Temperature Torque (Nm @ -40°C)          | D 4693      | 1.0                  |
| Corrosion Prevention                         | D 1743      | Pass                 |

| GREASE COMPATIBILITY |                       |    |    |    |    |    |    |    |    |    |    |
|----------------------|-----------------------|----|----|----|----|----|----|----|----|----|----|
|                      | Thickener             | 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 |
| 1                    | Ca sulfonate complete |    | NC | NC | FC | FC | NC | FC | FC | NC | NC |
| 2                    | Aluminum complex      | NC |    | NC | FC | NC | NC | NC | NC | NC | NC |
| 3                    | Barium                | NC | NC |    | FC | NC | NC | NC | NC | NC | NC |
| 4                    | Anhydrous calcium     | FC | FC | FC |    | SC | FC | FC | FC | NC | NC |
| 5                    | Calcium complex       | FC | NC | NC | SC |    | NC | NC | FC | FC | NC |
| 6                    | Clay                  | NC | NC | NC | FC | NC |    | NC | NC | NC | NC |
| 7                    | Lithium               | FC | NC | NC | FC | NC | NC |    | FC | NC | SC |
| 8                    | Lithium complex       | FC | NC | NC | FC | FC | NC | FC |    | NC | SC |
| 9                    | Polyurea              | NC | NC | NC | NC | FC | NC | NC | NC |    | NC |
| 10                   | Sodium                | NC | NC | NC | NC | NC | NC | SC | SC | NC |    |

**Legend:**

FC - Fully compatible

SC - Somewhat compatible: Mixture soften, but remains grease like

NC - Not compatible: Mixtures soften severely and do not remain grease like

All precautions were taken to ensure that the data in this table are correct, however it is recommended that you consult the manufacturer before mixing two different products.