

# 635

## SXC

### APPLICATION AREAS

- *All types of anti-friction bearings, roller bearings and ball bearings*
  - *Grease Lubricated Chains*
  - *Gears and Cams*
- *Feeders, Mixers, Agitators*
  - *Guides/Slides*
  - *Valves*



### PRODUCT DATA SHEET

#### KEY FEATURES AND BENEFITS

- Virtually impervious to water and steam
- Water and corrosion resistant
- Compatible with most elastomers and seals
- Outstanding extreme pressure resistance
- Synthetic base fluid

#### PACKAGING

400g  
18kg  
55kg  
180kg

#### DIRECTIONS

Apply with a grease gun, or brush on for local applications. Before using, wipe grease fittings to remove contamination. Keep grease container closed when not in use. Reapply at regular intervals.

#### DESCRIPTION

Chesterton® 635 Synthetic Extreme Pressure & Corrosion Resistant Grease is the one grease to use for the most demanding lubricating needs. It is a multi-purpose workhorse with outstanding extreme pressure and anti-wear capabilities, unsurpassed shear stability, temperature and corrosion resistance. As a premium quality, water resistant grease, 635 will not be removed even in severe water washout situations. Chesterton 635 can be used in steam and direct water contact services. Up to 50% water contamination will not diminish properties of Chesterton 635. With a dropping point of 318°C (604°F), it will not melt and run out even at high speeds or under heavy loads. 635 SXC is unsurpassed in its ability to extend bearing life, reduce equipment repairs and improve operational efficiency of grease lubricated equipment. Uses for 635 SXC can be found throughout any industrial plant or process. It is especially advantageous where there is exposure to high humidity, corrosive vapors and shock loading or vibration as found in pulp and paper mills, mining operations, power generating plants, steel mills and metal forming operations.

#### TYPICAL PHYSICAL PROPERTIES

|                                                                                            |                                                  |
|--------------------------------------------------------------------------------------------|--------------------------------------------------|
| Appearance                                                                                 | Light blue/green                                 |
| Consistency, NLGI                                                                          | 2                                                |
| Texture                                                                                    | Smooth, buttery                                  |
| Thickener                                                                                  | Proprietary, patent protected, sulfonate complex |
| Specific Gravity @ 25°C (77°F)                                                             | 0.95-1.05                                        |
| Dropping Point (ASTM D 2265, DIN 51 801/1)                                                 | 318°C (604°F)                                    |
| Penetration (ASTM D 217, DIN ISO 2137)                                                     | 265-295                                          |
| Oil Base                                                                                   | PAO synthetic                                    |
| Timken OK Load (ASTM D 2509)                                                               | 29.5 kg (65 lbs)                                 |
| Four Ball Wear Test (ASTM D 2266, DIN 51 350/5)<br>Scar Diameter 40kg, 1200 rpm, 75°C, 1hr | 0,40 mm                                          |
| Four Ball Wear Test (ASTM D 2596, DIN 51 350/4)<br>Weld Load, Kg (N)<br>Load Wear Index    | 800 kg (7845 lbs)<br>130                         |
| Operating Temperature<br>(above 180°C, increased lubrication frequency is required)        | -40°C (-40°F) to 240°C (464°F)                   |
| Water Washout (ASTM D 1264) @ 80°C                                                         | <0.05%                                           |

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|                                               |                                                                                                                                                   |
|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| Shear Stability (ASTM D 217), % Change        |                                                                                                                                                   |
| 10,000 strokes                                | -1.0%                                                                                                                                             |
| 100,000 strokes                               | -4.5%                                                                                                                                             |
| Oil Separation (ASTM D 1742), % loss          | 0%                                                                                                                                                |
| Wheel Bearing Life (ASTM D 3527)              | 240                                                                                                                                               |
| Corrosion Resistance (ASTM B 117), 5% NaCl    | >1000 hrs @ 50 micron film thickness                                                                                                              |
| Lubricating Additives                         | non-heavy metal, extreme pressure and antiwear, anti-fretting additives, surface reactive anti rust and corrosion additives, oxidation inhibitors |
| Bomb Oxidation (ASTM D 942) psi drop, 1000hrs | 6.0                                                                                                                                               |
| Copper Corrosion (ASTM D 4048, DIN 51 811)    | 0/1B                                                                                                                                              |
| ISO/DIN Classification                        | ISO-L-XD F I B2/DIN 51 502-K LP 2HC R1-40                                                                                                         |
| Base Oil Viscosity (ASTM 445)                 |                                                                                                                                                   |
| @ 40°C                                        | 98 cSt                                                                                                                                            |
| @ 100°C                                       | 14 cSt                                                                                                                                            |
| Viscosity Index, VI                           | 146                                                                                                                                               |

Before using this product, please refer to Safety Data Sheet (SDS).