



### Description

PROTEAN Energise NG2 is a new generation H1 food grade grease designed specifically for lubrication of the most severe applications in the food industry. This grease is an over based calcium sulfonate grease formulated with permitted ingredients that include anti-oxidants, extreme pressure and anti-wear additives to meet the most stringent requirements of the food industry. This innovative grease outperforms all other food grade greases like calcium base, clay base and even aluminium complex base greases. PROTEAN Energise NG2 is NSF H1 approved for applications where there is a possibility of incidental food contact.

### Benefits & Features

- H1 food grade grease
- Good extreme pressure and rust protection
- Excellent water resistance
- Excellent high temperature properties
- Provides superior load and wear protection for the bearings and long life to machinery
- It works effectively for extended period of time under water ingress in food processing and other industries with excellent rust protection

### Directions for use

PROTEAN Energise NG2 can be applied by hand, or by using a standard grease gun (400g cartridges are available), or via a central lubricating system capable of pumping an NLGI No. 2 grease. As with all greases used for the first time, check compatibility with the grease applied previously and if necessary purge bearings prior to application. Likewise, as a general rule, take care not to over-lubricate and apply the quantity of grease recommended by the bearing manufacturer.

### Please Note

This technical data sheet is for general guidance purposes only and may contain information that is inappropriate for certain conditions of use. Accordingly, all recommendations and suggestions are made without guarantee. Further information is available from our Technical Department.





### Technical Data

|                                     |                              |             |
|-------------------------------------|------------------------------|-------------|
| Colour                              | White                        | Visual      |
| Texture                             | Smooth, Tacky                | Visual      |
| Thickener                           | Over based Calcium Sulfonate | -           |
| NLGI Grade                          | 2                            | ASTM D 217  |
| Worked Penetration                  | 265-295                      | ASTM D-217  |
| Change in Pen after 100,000 strokes | < 20                         |             |
| Roll Stability, % change            | < 3.0 %                      | ASTM D 1831 |
| Drop Point ,0 F                     | + 550                        | ASTM D 2265 |
| Viscosity @ 40°C, cSt               | 250                          | ASTM D 445  |
| Viscosity @ 100°C, cSt              | 20.8                         | ASTM D 445  |
| Viscosity Index                     | 98                           | ASTM D 2270 |
| 4-Ball EP load, kg                  | 620                          | ASTM D 2596 |
| Timken OK load, lbs                 | 60                           | ASTM D 2509 |
| Water washout @ 175 0 F, % wt       | 2.0                          | ASTM D 1264 |
| Copper Corrosion                    | Pass                         | ASTM D 4048 |
| Rust Test                           | Pass                         | ASTM D 1743 |
| Temperature Range                   | - 20 to 150°C                |             |

\*Also available in other NLGI Grades

Properties are typical of those obtained with normal production tolerance and do not constitute essentially a specification. Variations that do not affect product performance are to be expected during normal manufacture. The information contained herein is subject to change without notice.

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