



Previous Name: **Shell Malleus Grease JB**

- **Heavy Duty Protection**
- **High Temperature**
- **Clay**

Shell Gadus S2 U1000D

High Performance Heavy Duty Plain Bearing Grease

Shell Gadus S2 U1000D Greases are heavy duty, high temperature, industrial greases for arduous slow speed plain bearing applications. They are based on an inorganic non-soap thickener dispersed in a very high viscosity base oil containing molybdenum disulphide (MoS₂)

Shell Gadus S2 U1000D Greases will lubricate satisfactorily and give good service life at operating temperatures up to 200°C. They are especially useful where heavy wear has occurred or access is difficult.

Applications

Typical applications for Shell Gadus S2 U1000D Greases are:

- Plain bearings
- Pivot pins
- Sleeves
- Open gears
- Grate type feeder bearings
- Cement mill journals
- Sugar mill bearings
- Kiln car castors
- Furnace door gear
- Drying kiln mechanisms
- Slow speed cams and followers

Shell Gadus S2 U1000D Greases are NOT recommended for rolling element bearings.

Performance Features

- **High melting point**
The inorganic thickener has a high melting point and performance is limited only by the properties of the oil and the additive components.
- **Low grease loss**
The specially treated thickener minimises grease loss from bearings by reducing the tendency for the base oil to exude from the grease at elevated temperatures.
- **Low volatility and excellent oxidation stability**
Features which enable the greases to give good service life in journal bearings operating at temperatures between 10°C and 200°C.
- **Good lubrication and a low coefficient of friction**



Finely dispersed, small particle size, molybdenum disulphide acts as a solid lubricant to provide good lubrication and a low coefficient of friction under extreme operating conditions.

Re-greasing Intervals

For bearings operating near their maximum recommended temperatures, re-greasing intervals should be reviewed

Health & Safety

Shell Gadus S2 U1000D Greases are unlikely to present any significant health or safety hazard when properly used in the recommended application and good standards of industrial and personal hygiene are maintained. Prolonged or repeated contact with the skin should be avoided.

For further guidance on product Health and Safety refer to the appropriate Shell Product Safety Data Sheet.

Advice

Advice on applications not covered in this leaflet may be obtained from your Shell Representative

Typical Physical Characteristics

| Shell Gadus Grease | S2 U1000D | |
|--|----------------|----------------|
| NLGI Consistency | 1 | 2 |
| Colour | Dark grey | Dark grey |
| Soap Type | Bentonite clay | Bentonite clay |
| Base Oil (type) | Mineral | Mineral |
| Base Oil Viscosity @ 40°C cSt 100°C cSt (IP 71/ASTM-D445) | 1000 42 | 1000 42 |
| Cone Penetration Worked @ 25°C 0.1 mm (IP 50/ASTM-D217) | 310-340 | 265-295 |
| Dropping Point °C (IP 132/ASTM-D566-76) | 300 | 300 |

These characteristics are typical of current production. Whilst future production will conform to Shell's specification variations in these characteristics may occur.



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Technical Data Sheet