Technical Data Sheet

Previous Name: **Shell Alvania Grease RL**

- ***Reliable Protection***
- ***Multipurpose***
- ***Lithium***

Shell Gadus S2 *V100*

High Performance Multipurpose Grease

Shell Gadus S2 V100 1, 2 and 3 are general purpose greases based on a new lithium hydroxystearate soap thickener fortified with anti-oxidant, anti-wear and anti-rust additives.

Applications

- Rolling element and plain grease lubricated bearings
- Electric motor bearings
- Sealed-for-life bearings
- Water pump bearings

Shell Gadus S2 V100 may be used under a wide range of operating conditions. They offer very significant advantages over conventional lithium greases at high temperature or in the presence of water.

Shell Gadus S2 V100 1
A soft consistency grease suitable for the moderate bearing conditions found in centrally lubricated equipment and for some lightly loaded gearbox applications working at normal ambient temperature. Excellent performance in low temperature applications.

Shell Gadus S2 V100 2
A medium consistency grease designed, mainly, for general industrial lubrication. Ideal for centralised lubrication systems operating at normal temperatures.

Shell Gadus S2 V100 3
A medium/hard high performance industrial grease, particularly recommended for the lubrication of electrical motor bearings.

Performance Features

- ***Reliable high temperature performance***
  Very good performance up to +130°C, resulting in longer bearing life.
- ***Good oxidation and mechanical stability***
  Resists the formation of deposits caused by oxidation at high operating temperatures. Shell Gadus S2 V100 greases are extremely stable under vibrations and give NO LEAKAGE even in repeated shock-loaded bearings.
- ***Good corrosion resistance characteristics***
  Effective protection in hostile environments
- ***Long storage life***
  Does not alter in consistency during prolonged storage

Re-greasing Intervals

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

Health & Safety

Shell Gadus S2 V100 greases are free of any harmful component and are not subjected to labelling. They 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.

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

Typical Physical Characteristics

	NLGI Consistency		
Shell Gadus S2 V100	1	2	3
Soap Type	Lithium hydroxystearate	Lithium hydroxystearate	Lithium hydroxystearate
Base Oil (type)	Mineral	Mineral	Mineral
Kinematic Viscosity @ 40°C cSt 100°C cSt (IP 71/ASTM-D445)	 100 11	 100 11	 100 11
Cone Penetration Worked @ 25°C 0.1mm (IP 50/ASTM-D217)	310-340	265-295	220-250
Dropping Point °C (IP 132/ASTM-D566-76)	180	180	180

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