Technical Data Sheet

Formerly Known As: **Shell Albida Grease EMS 2**

Shell **Gadus** ***S5 V100 2***

- Long Life
- Improved Efficiency
- Lithium Complex

Advanced Multipurpose Grease

Shell Gadus S5 V100 is a lithium complex grease based on synthetic base oils, containing antioxidants, EP-, wear- and rust preventing additives The product contains a special friction modifier which is suitable for high speed bearings, taper roller bearings and cylindrical bearings, type NJ, NUP plus applications with an angle ring.

DESIGNED TO MEET CHALLENGES

Main Applications



Shell Gadus S5 V100 is developed for lubrication of roller bearings operating at high speeds as well as bearings submitted to severe cold. The grease has very low starting and running torques at temperatures down to -50°C and therefore suitable for all year lubrication of for example outdoor fans and electrical motors. The grease has a very good mechanical and thermal stability and can be used in electrical motors, fans and pumps at bearing temperatures up to 150°C where there is a demand for long re-lubrication intervals.

Specifications, Approvals & Recommendations

For a full listing of equipment approvals and recommendations, please consult your local Shell Technical Helpdesk.

Typical Physical Characteristics

Properties			Method	Shell Gadus S5 V100 2
NLGI Consistency				2
Penetration, worked 60 strokes (0.1 mm)			IP 50 / ASTM D217	265-295
Dropping Point		°C	IP 396	260
Base Oil Viscosity	@40°C	cSt	IP 71 / ASTM D445	100
Base Oil Viscosity	@100°C	cSt	IP 71 / ASTM D445	14
Rust Preventing Properties : SKF Emcor distilled water				Pass
Rust Preventing Properties : SKF Emcor WWO distilled water				Pass
Lubricating Ability SKF R2F A				Pass
Lubricating Ability SKF R2F B	@150°C			Pass
Mechanical Stability, Shell Roll (50 hrs)	@80°C			≤+50
Temperature Range (temporarily)		°C		-50/+150 (200)

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

Health, Safety & Environment

- **Health and Safety**

  Shell Gadus S5 V100 Grease is unlikely to present any significant health or safety hazard when properly used in the recommended application and good standards of personal hygiene are maintained.

  Avoid contact with skin. Use impervious gloves with used oil. After skin contact, wash immediately with soap and water.

  Guidance on Health and Safety is available on the appropriate Material Safety Data Sheet, which can be obtained from http://www.epc.shell.com/

- **Protect the Environment**

  Take used oil to an authorised collection point. Do not discharge into drains, soil or water.

Additional Information

- **Advice**

  Advice on applications not covered here may be obtained from your Shell representative.