



Technical Data Sheet

Formerly Known As: Shell Albida Grease PPS, Albida SLC220

Shell Gadus S5 V220 2

Advanced Multipurpose Extreme Pressure Grease

Shell Gadus S5 V220 is an advanced performance grease for general transport and industrial applications. It is based on high viscosity index synthetic base oil and a lithium complex soap thickener. It contains additives against wear, oxidation and corrosion.

- Heavy Duty Protection
- Water Resistant
- Lithium Complex

DESIGNED TO MEET CHALLENGES

Performance, Features & Benefits

- **Excellent mechanical stability and water resistance**
Critical properties for the function of labyrinth seals in bearing housings in the wet end of a paper machine.
- **Corrosion protection**
Good protection against corrosion from aggressive process water.
- **Enhanced extreme-pressure properties**
Extreme load-carrying performance.
- **High dropping point**
- **Long operational life at both high and low temperatures**
- **Compatible with seals**
Compatible with elastomers in systems designed for use with conventional grease.

Main Applications



Shell Gadus S5 V220 is used for the grease lubrication of bearings in both transport and industrial applications, including also both the wet and dry ends of paper machines.

Specifications, Approvals & Recommendations

- ASTM D4950 LB-GC

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

Typical Physical Characteristics

| Properties | Method | Shell Gadus S5 V220 2 |
|--------------------------------|------------|-----------------------|
| NLGI Consistency | | 2 |
| Colour | | Light Brown |
| Soap Type | | Lithium complex |
| Base Oil (type) | | PAO |
| Kinematic Viscosity @40°C cSt | ASTM D445 | 220 |
| Kinematic Viscosity @100°C cSt | ASTM D445 | 26 |
| Four Ball Weld Load Kg | ASTM D2596 | 400 |
| Dropping Point °C | IP 132 | 260 |
| Starting Torque @-40°C Nm | ASTM D4693 | 6.50 |
| Running Torque @-40°C Nm | ASTM D4693 | 5.25 |

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 V220 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 Safety Data Sheet, which can be obtained from <https://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

- **Operating Temperature**

Operating Temperature Range -40°C to +150°C (Max +220°C)

- **Re-greasing Intervals**

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

- **Advice**

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