



Previous Name: Shell Malleus Grease XTS

# Shell Gadus S5 U150X 1.5

- Special Application
- Extreme Temperature
- PTFE

## Special Extreme Temperature Grease

Shell Gadus S5 U150X is a perfluoropolyether based grease, thickened using polytetrafluoroethylene. The synthetic base oil as well as the thickener are extremely resistant to oxidation or inert, even at very high temperatures. The product has a good resistance against strong acids and bases (alkali) and has very little affect on elastomers and plastic materials with the exception of teflon based materials.

### DESIGNED TO MEET CHALLENGES

#### Main Applications



Shell Gadus S5 U150X is specially developed for lubrication of bearings working at extreme running temperatures, lubrication of miniature bearings and precision mechanics and for lubrication of bearings and seals that can come in contact with reactive chemicals and gases. The product has been approved by BAM for use in oxygen equipment where the lubricant may come in contact with oxygen under pressure (max. 80 Bar at 60°C). When used for such applications cleanliness is vital as the inert properties of the lubricant can easily be destroyed by for example hydrocarbon based contaminants.

#### 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 U150X 1.5
NLGI Consistency		1.5
Penetration , worked 60 strokes	0.1mm IP 50 / ASTM D217	300
Base Oil Viscosity	@40°C cSt IP 71 / ASTM D445	150
Base Oil Viscosity	@100°C cSt IP 71 / ASTM D445	17
Max Oxygen Pressure	@60°C	80 Bar
Temperature Range (temporarily)	°C	-40/+230 (+270)

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 U150X 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**

- **Operating Temperature Range**

The product should not be submitted to temperatures above 300°C and smoking is strongly advised against during application/handling.

- **Advice**

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