



Technical Data Sheet

- Reliable Protection
- Lithium Calcium

Shell GadusRail S1 Curve Rail 1

Curve Rail Grease

Shell GadusRail S1 Curve Rail 1 grease is designed to be dispensed by rail lubricators located at critical points along the railway tracks to ensure reliable lubrication and reduce wheel wear.

DESIGNED TO MEET CHALLENGES

Performance, Features & Benefits

- Reduced rail/wheel wear
- Potential for improved fuel economy
- Good track coverage
- Low maintenance lubrication
- All-season performance

Specifications, Approvals & Recommendations

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

Main Applications



- Low temperature mobility and retention on the tracks are very critical properties that Shell GadusRail Curve Rail greases provide.
- Shell GadusRail S1 Curve Rail has built-in all-season performance - it has been proven in extreme temperatures of -20 to +40°C. The solid additives found in Shell GadusRail S1 Curve Rail ensure reduced rail/wheel wear and low maintenance lubrication.

Typical Physical Characteristics

Properties	Method	Shell GadusRail S1 Curve Rail 1
NLGI Grade		1
Colour	Appearance	Black
Thickener		Lithium Calcium
Penetration, 60x @25°C	IP 50 / ASTM D217	315 to 340
Solid Lubricant		Yes
Dropping Point °C (°F) minimum	ASTM D2265	146 (295)
Base Oil Viscosity @40°C cSt	IP 71 / ASTM D445	135
Rust Protection	ASTM D1743	Pass
Four Ball Wear Scar mm maximum	ASTM D2266	0.65
Estimated Operating Range (1) °C		-20 to +40

1. May vary with design of dispensing system and length of lines.

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 GadusRail S1 Curve Rail 1 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 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

- **Advice**

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