

# Shell Valiant Grease R 2

## *Plastic Compatible Lithium Soap grease*



### Applications

- **Shell Valiant Greases R 2** is intended for use in plastic ball joints for commercial vehicles and passenger cars.
- **Shell Valiant Greases R 2** is suitable for low speed sliding and rolling contacts between plastic and metal.
- **Shell Valiant Greases R 2** provides excellent adhesion, oxidation stability and low temperature performance.

### Composition

- Synthetic fluid thickened with lithium soap and containing anti-oxidants and polymer.

### Useful Operating Temperature

- -40 °C to 130°C.

### Typical Properties of Shell Valiant Grease R 2

| Test Items   |  | Figures               |
|--|--|-----------------------|
| Thickener  |  | Lithium Soap          |
| Base oil   | type   | Synthetic Hydrocarbon |
|  | cin. viscosity, mm <sup>2</sup> /sec@ 100 °C | 19.3                  |
| Worked Penetration   |  | 236                   |
| Dropping Point, °C   |  | 200                   |
| Copper Corrosion, 24 hours @ 100 °C                        |  | pass                  |
| Evaporation Loss, % 22 hours @ 99 °C                       |  | 0.35                  |
| Oil Separation, % 24 hours @ 100 °C                        |  | 0.2                   |
| Oxidation stability, kgf/cm <sup>2</sup> 100 hours @ 99 °C |  | 0.30                  |
| Unworked Penetration                                       | @-40 °C                                      | 170                   |
|  | @-20 °C                                      | 193                   |
|  | @ 0 °C                                       | 215                   |
|  | @ 25 °C                                      | 236                   |
|  | @ 75 °C                                      | 281                   |
|  | @100 °C                                      | 304                   |
|  | @125 °C                                      | 312                   |

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