

## TECHNICAL DATA

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# SHELL ALVANIA RL - Lithium Hydroxystearate Multi-purpose Greases

## DESCRIPTION

Shell Alvania RL is a range of high performance multi-purpose industrial greases based on a new Lithium Hydroxystearate soap thickener fortified with anti-oxidant, anti-wear & anti-rust additives. Alvania RL greases offer very significant advantages over conventional Lithium greases at high temperature or in the presence of water.

## FEATURES

- Reliable high temperature performance, longer bearing life
- Excellent resistance to moisture & oxidation with good mechanical stability - NO LEAKAGE

## KEY INDUSTRIAL SECTORS & APPLICATIONS

- **Shell Alvania RL1** - A soft consistency grease suitable for centrally lubricated equipment & lightly loaded gearbox applications operating at normal ambient temperatures.
- **Shell Alvania RL2** - A medium consistency grease designed mainly for industrial lubrication. Ideal for centrally lubricated systems operating at normal ambient temperatures.
- **Shell Alvania RL3** - A medium/hard high performance industrial grease, particularly recommended for the lubrication of electric motor bearings.

## TYPICAL PHYSICAL CHARACTERISTICS

Shell Alvania	RL	RL	RL
NLGI consistency	1	2	3
Soap Type	Lithium Hydroxystearate		
Base oil type	Mineral	Mineral	Mineral
Operating temperature	-30°C to + 130°C		
Kinematic viscosity, IP71/ASTM D445	40°C	100 cSt	100 cSt
	100°C	10.2 cSt	10.2 cSt
Cone penetration, IP50/ASTM D217	Worked @ 25°C, 0.10mm		
	310 - 340	265 - 295	220 - 250
Dropping point, IP132/ASTM D566-76	185°C	190°C	190°C

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

## HEALTH & SAFETY

Shell Alvania RL is unlikely to present any significant health or safety hazard when properly used in the recommended application and good standards of industrial and personal hygiene are maintained. For further guidance, refer to individual Material Safety Data Sheets (MSDS).