

# Shell Rhodina Grease BBZ

*High performance, part- synthetic grease, for bearings subject to fretting and false brinelling.*

THICKENER	NLGI	TEMP RANGE	BASE OIL VISCOSITY		EP	WATER RESISTANCE	SOLID LUBRICANT
CALCIUM	1,5	-55 °C to +100 °C	40 °C 13 cSt	100 °C 3 cSt	-	☆☆☆	-

Shell Rhodina Grease BBZ is specifically designed for high demanding outdoor applications, in particular when protection against false brinelling and fretting corrosion is required – even at very low temperatures.

## Applications

Rhodina Grease BBZ is designed for lubrication of specific bearings in windturbines (e.g. blade bearings) and other similar applications. Protection against fretting corrosion, moisture corrosion and false brinelling is provided.

Rhodina Grease BBZ can also be used in bearings operating at very low temperatures e.g. under arctic conditions.

## Health & Safety

Shell Rhodina Grease BBZ 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 on Product Health & Safety refer to the appropriate Shell Product Safety Data Sheet.

## Performance Features

Rhodina BBZ provides protection and lubrication for a wide range of temperature and in particular has excellent low temperature behaviour allowing trouble free operation even under very cold climates.

Rhodina BBZ has very good water resistance properties.

This product was developed on the basis and knowledge of Shells long time experience to protect blade bearings under operation and during idling.

It minimises the risk of bearing failures which may be caused during transportation and mounting.

The combination of selected base oils and additives is providing extended product and equipment life time.

## Operating Temperature Range

It is designed for application in a temperature range from **- 55 °C up to 100 °C.**

## Typical Physical Characteristics

NLGI Consistency	1,5
Colour	Light Brown
Soap Type	Calcium
Base Oil (type)	Part Synthetic
Kinematic Viscosity @ 40 °C mm <sup>2</sup> /s 100 °C mm <sup>2</sup> /S (ISO 3104)	13,0 3,0
Cone Penetration Worked @ 25 °C 0.1mm (IP 50/ASTM-D217)	300
Dropping Point °C (IP 396)	145

## Typical Physical Characteristics

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

## Advice

Advice on applications not shown on this leaflet may be obtained from your Shell Representative.