

## Syntec XP



*Full Synthetic, State-Of-The-Art Extreme High Performance Grease*

**Syntec XP Synthetic** is "state of the art" high tech grease that has a smooth texture, and is the prime recommendation for automotive, marine and industrial applications. **Syntec XP** is a supreme performance product suitable for a large variety of applications at extremes of temperature. It is manufactured with a lithium complex thickener, selected paraffinic and PAO base oils combined with a PTFE powder, rust, oxidation and corrosion inhibitors. It is recommended for bearing lubrication under all operating conditions from normal to unusually severe loads.

### Summary of Benefits

- A multipurpose grease for high and low temperature applications. It protects against wear on all moving parts from Shock Loadings to unusually High Load services. Prevents scuffing and further assists in wear prevention because it has excellent shear stability as well as the high load extreme pressure characteristics.
- The addition of PTFE powder extends the lubrication intervals, reduces the wet ability and improves the antifriction properties.
- High Shear Stability ensures long service life particularly in sealed anti-friction bearings. The excellent resistance to mechanical shear combined with high film strength maintains grease consistency for extended lubrication service.
- Oxidation Inhibited assures long service life.
- Rust and Corrosion Inhibited promotes effective lubrication under difficult environments that may be corrosive or rust prone service situations. These inhibitors protect all metal components under these adverse conditions.

### Applications

**Syntec XP** is recommended for the use in all applications where extremely high thermal stability and high water resistance is required. These applications include automotive, industrial, marine applications, such as, wheel bearings, pre-packed and sealed for life bearing, trailer wheel bearing, rollers, cables and winches etc.

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### Operating Temperature Range

Usable temperature range in continuous service is  $-40^{\circ}\text{C}$  to  $210^{\circ}\text{C}$ . Maximum temperature for short term exposure is  $220^{\circ}\text{C}$

**Product Code:** 9010

**Product Size:** 450g, 2.5kg, 20kg

### Typical Characteristics:

NLGI	2
Base Oil Viscosity @ $40^{\circ}\text{C}$	170
@ $100^{\circ}\text{C}$	19.5
Viscosity Index	132
Thickener, Lithium Soap (% mass)	Lithium Complex
Worked Penetration @ $25^{\circ}\text{C}$	275-305
Dropping Point ( $^{\circ}\text{C}$ )	260+
Water Washable @ $80^{\circ}\text{C}$ (%)	<3.5
Evaporation Loss @ $175^{\circ}\text{C}$ (%)	3.9
Base Oil Viscosity @ $40^{\circ}\text{C}$	170
@ $100^{\circ}\text{C}$	19.5
Viscosity Index	132
Timken, OK Load (kg)	35
4-Ball EP Weld Point (kg/f)	500
4-Ball Wear Scar (mm)	0.40

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### Typical Characteristic contd.

PSI O Loss 100 hours	0
300 hours	2
500 hours	4
Copper Corrosion Test	1b
Rust Test	Pass
Colour	Green
Appearance	Smooth

\*Typical characteristics are only a guide to industry and are not necessarily manufacturing or marketing specifications and do not constitute a legal liability.

### Storage:

All packages should be stored under cover to avoid the possible ingress of water and the obliteration of drum markings. Products should not be stored above 60°C.

### Health, Safety and Environment

A Material Safety Data Sheet (MSDS) is available for each product. Users should consult the MSDS, and follow the precautions outlined and comply with all laws and regulations concerning its use and disposal. Used packaging material should not be incinerated or exposed to flame. After use, protect your environment. Do not pollute drains, soil or water with used product.

The Materials Safety Data Sheet is available at Royal Precision Lubricants by email:  
[info@royallubricants.com.au](mailto:info@royallubricants.com.au).