



# PRODUCT DATA SHEET

## Synplex EP 2

### PRODUCT DESCRIPTION

**Synplex EP 2 Grease** is a premium quality, lithium complex thickened, Polyalphaolefin (PAO) based full synthetic grease for use in plain and anti-friction bearings. It is designed to withstand high temperatures over extended periods without leaving the dry residues associated with conventional high temperature grease.

The use of EP additives and PTFE reduces friction and self-generating temperatures. It also provides excellent lubrication at sub-zero and ambient temperatures making this an extremely versatile multi-purpose grease.

### PERFORMANCE

- Superb high temperature properties providing extended lubrication intervals
- Excellent corrosion protection even in humid environments
- EP additives and PTFE to extend component life
- Reduction in carbon residues associated with conventional high temperature greases

### RECOMMENDATIONS

Due to its low base oil viscosity of 46 cSt at 40°C, **Synplex EP 2 Grease** is particularly suited to the lubrication of electric motors, but it can also be used as a multi-purpose heavy duty industrial grease for many applications up to 220°C or down as low as -40°C.

It provides excellent thermal stability and oxidation resistance and its outstanding structural stability in the presence of water helps retain its performance in hostile aqueous environments. The low volatility characteristics of the synthetic base oils help resist viscosity increases at high temperatures. All these characteristics result in improved bearing life and extended service life with longer intervals between re-lubrication.

Hi-Tec suggests that the equipment manufacturers' recommendations for grade, performance requirements and general operating conditions should be checked prior to use. **Synplex EP 2 Grease** can be applied manually, or by using a standard grease gun. As with all greases used for the first time, check compatibility with the grease applied previously and if necessary clean equipment prior to application. Likewise, as a general rule, take care not to over-lubricate and apply the quantity of grease recommended by the manufacturer.

### TYPICAL PROPERTIES

Description	Units	Method	Typical Results
Appearance	-	Visual	Brown
NLGI Grade	-	-	2
Thickener	-	-	Lithium Complex
Base Oil	-	-	Polyalphaolefin
Worked Penetration	dmm	IP 50	265-295
Dropping Point	°C	IP 132	250 min
Oil Separation	%	IP121	5 max
Copper Corrosion	-	IP 112	Pass
Resistance to Corrosion Emcor (a)	-	IP 220	0:0
Water Washout @ 39°C	%	ASTM D-1264	3
Four Ball Weld Load	kg	IP 239	355
Operating Temperature Range	°C	-	-40 to 220
Solids	%	-	1



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**Available in:** 180kg drums, 20kg pails, 500g tubs and 450g cartridges

"Hi-Tec Oil Traders Pty Ltd (Hi-Tec Oils) has endeavoured to ensure that all information, representations and specifications contained in this product data sheet are accurate at the time of publication. This general information should be used in conjunction with appropriate inquiries by users of the product including consultation with the vehicle or equipment manufacturers published information.

It is the responsibility of users of the product to use the product safely. Users should consult the safety data sheets for each product at [www.hi-tecoils.com.au](http://www.hi-tecoils.com.au). Hi-Tec Oils takes no responsibility for injury or damage if the product is used in an inappropriate or unsafe manner.

Our product warranty and product quality statement can be viewed at [www.hi-tecoils.com.au](http://www.hi-tecoils.com.au)"

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