



# Blue Lithium Complex Grease

Lithium complex EP grease

Product code: Z074

## Product Description:

A specially developed multi-purpose lithium complex grease for lubricating all anti-friction and plain bearings for use in industrial and automotive applications. The grease has shown exceptional performance providing extended lubrication intervals over a wide operating temperature range.

## Benefits:

- Excellent EP and anti-wear performance
- Good corrosion resistance protects components operating in wet conditions
- Excellent load bearing properties and anti-wear performance
- Excellent mechanical stability extends relubrication and prolongs component life
- Excellent oxidation stability provides lasting lubrication at high temperatures
- Excellent corrosion resistance
- Withstands heavy shock loads, sealing properties reduce the damage caused by the ingress of dirt, dust and moisture
- Especially suitable for the lubrication of heavy construction, industrial plant and agricultural equipment used in earth moving, road building and construction industries.

## Method of Application:

Blue Lithium Complex Grease can be applied manually or by using a standard grease gun or via a central lubricating system capable of pumping an NLGI No. 2 grease. As with all greases used for the first time, check compatibility with the grease applied previously and if necessary purge bearings prior to application. Likewise, as a general rule, take care not to over-lubricate and apply the quantity of grease recommended by the bearing manufacturer.

Blue Lithium Complex Grease has a recommended operating temperature of -30°C to +150°C. As a rule bearings running close to a maximum temperature for short periods of time should have their re-greasing intervals reviewed.



# TECHNICAL DATA SHEET

## Typical Test Data:

Properties	Unit	Method	Specification	Typical
Appearance	-	-	Tacky Grease	
Colour	-	-	Blue	
NLGI Grade	-	-	2	
Thickener	-	-	Lithium Complex	
Base Oil	-	-	Mineral Oil	
Base Oil Viscosity @ 40°C	cSt	ASTM D445	150	
Worked Penetration	dmm	ASTM D217	265-295	267
Dropping Point	°C	ASTM D2265	≥ 260	>260
Four Ball Weld Load, 10s	Kgf	IP239	≥ 450	500
Four Ball Wear Scar, 40 Kg 1 hour	Mm	IP239	-	0.55
Extended Worked Penetration 10,000 Strokes	dmm	ASTM D217	-	290 (+23)
100,000 Strokes			-	316 (+49)
Roll Stability – 2 hours @ 35°C	dmm	ASTM D1831	-	293 (+26)
Oil Separation 42 hours @ 40°C	%	IP 121	-	0.9
168 hours @ 40°C			-	1.6
Copper Corrosion 24 hours @ 100°C	-	ASTM D4048	-	1b
Corrosion (EMCOR) Distilled Water	-	ASTM D6138	-	Pass
Corrosion	-	ASTM D1743	-	Pass
Water Washout 1 Hour @ 38°C	%	ASTM D1264	-	1.9
1 Hour @ 79°C			-	2.1
Oxidation Stability Time to 10% loss @ 160°C	Min	ASTM D8206	-	214
FFK Flow Pressure -30°C	hPa	DIN 51805-2	-	825
Operating Temperature	-	-	-30°C to +150°C	