

ISO 12924: L-XD(F)DIB2
DIN 51502: KPHC2N-40



CORROSION
PROTECTION



EXTREME
PRESSURE



HIGH
TEMPERATURE



LOW
TEMPERATURE

PRODUCT DESCRIPTION

AXELLENC 642 EPB is a lithium complex thickened lubricating grease based on synthetic oil. The grease contains antioxidants, corrosion inhibitors and EP/AW additives based on bismuth technology.

The thickener, together with the low viscosity synthetic base oil blend, makes the product suitable for heavily loaded bearings in medium to high speed applications, applications at both high and low temperatures, and wet and corrosive environments. The complex soap structure gives the product a high degree of mechanical stability, which enhances the performance in vibrating housings and

prolongs relubrication intervals.

The specially developed bismuth additive package provides an enhanced ability to resist vibrations and shock loads, as well as an increased ability to carry high loads.

AXELLENC 642 EPB is a modern high performance synthetic product suitable for both industrial and automotive applications. The product's all-round properties and wide temperature range make it the primary choice for various types of bearing applications including in high and low temperature conditions.

Very good mobility at low temperatures
Very good thermal resistance
Very good resistance to shock loads

TYPICAL TECHNICAL DATA

Thickener		Lithium Complex
Base fluid		Synthetic oil
Texture		Smooth
Colour	Visual	Beige
NLGI Grade	ASTM D 217 mod	2
Dropping point	IP 396	> 260°C
Base oil viscosity at 40°C	ASTM D 7152	100 mm ² /s
Base oil viscosity at 100°C	ASTM D 7152	14 mm ² /s
Penetration 60 strokes	ISO 2137	265 - 295
4-ball weld load	DIN 51350:4	3400 N
Water resistance at 90°C	DIN 51807:1	1
Water wash out at 79°C	ISO 11009	< 5 %
Emcor salt water	ISO 11007	≤ 2 - 2
Flow Pressure at -40°C	DIN 51805 mod	< 1400 mbar
SKF R2F B at 140°C	SKF	Pass
Density	IP 530	880 kg/m ³
Temperature range		-40°C to +140°C (Max +180°C)

The information above is based on current production data and can vary within given tolerances. Temperature range is given as a guideline only. Information and data can be changed without previous notification. This information replaces prior editions.

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