

SYNTHEBIS

HIGH TEMPERATURE AND EP GREASE

310052/01.18

Rev. 1

DESCRIPTION & APPLICATIONS

SYNTHEBIS is a semi-synthetic lithium complex lubricating grease containing antioxidants, corrosion inhibitors and EP/AW additives based on bismuth technology.

The combination of the additives is made so that the grease reaches a very high level of performance, even under the most severe working conditions.

SYNTHEBIS is suitable for various types of bearing applications in heavy industry at elevated temperatures

ADVANTAGES

- Extreme-pressure anti-wear additives with an excellent thermal stability (in comparison with current additives which decompose at temperatures above 140°C)
- Antioxidant which confers an additional protection on basic oil (considering that oxidation increases exponentially with the temperature).
- Anti-corrosion components for the protection of the organs, even in a wet environment.

ENVIRONMENT, HEALTH & SAFETY

Please consult also the Safety Data Sheet about how to manipulate and to stock the product as well as to learn about the first aid measurements in case of accident.

Elimination after use must be made in conformity with the local rules in force about used greases disposal. When needed, Safety Data Sheet can be obtained upon request.

Conservation of the product: 1 year(s) in closed container and sheltered.

SYNTHESIS

PROPERTIES

CHARACTERISTICS	UNITS	METHODS	TYPICAL DATA
Color	-	-	Orange
Thickener	-	-	Lithium-Complex
NLGI-grade	-	ASTM D 217	2
Classification	-	DIN 51502	KP2N-20
Viscosity of the base oil at 40°C	mm ² /s (cSt)	ISO 12058	560
Viscosity of the base oil at 100°C	mm ² /s (cSt)	ISO 12058	37
Dropping point	°C	IP 396	> 270
Application temperature	°C	-	-20 to 140 max 220
4-ball weld load	N	DIN 51350 T4	3400
Penetration at 25°C after 60 strokes	1/10mm	ASTM D 217	280
Penetration at 25°C after 100000 strokes	1/10 mm	ASTM D 217	300
Corrosion protection SKF Emcor distilled water	-	ISO 11007	0-0
Corrosion protection SKF Emcor salt water	-	ISO 11007	0-1

The average values are given for information only.