

your global specialist

A cost-effective choice in corrugator industry applications

Klübertherm HB 88-182

The corrugator process

The corrugator manufacturing industry today faces the dual challenge of delivering quality products while at the same time meeting the ever-increasing demands of volume. The industry is growing rapidly and it is imperative for each producer to adopt the most cost effective manufacturing practices.

In such a scenario, having frequent downtime and shorter re-lubrication intervals can have a significant impact on productivity, as well as cost-effectiveness. More often than not, these problems are related to the corrugator roller bearings, which are exposed to a high temperature and corrosive environment. Therefore, selecting the optimum lubricant for this application is critical.



Your typical application requirements

- Temperature up to 180°C
- Medium speed (20-200 rpm)
- Re-lubrication every 4 weeks or more (depending on equipment and operating conditions)
- Corrosive conditions in case of steam heating
- Aggressive and dusty environment

Our Solution: Klübertherm HB 88-182

- Increased production (less downtime)
- Significant cost reduction as compared to PFPE based greases
- High temperature resistance up to 180°C (356°F)
- Longer component life due to high performance corrosion protection
- Resistant to hydrolysis
- Minimal maintenance cost due to longer service life
- Excellent overall performance
- Better degradability in the environment than PFPE based greases

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Klübertherm HB 88-182 is an innovative and cost effective alternative to PFPE based greases used in high temperature corrugator bearings! Not only is it offered at a competitive price by weight, it has a substantially lower density! This means that you get significantly more volume (more grease) per kilogram. It offers outstanding wear protection and corrosion protection, as well as the same relubrication intervals as compared to PFPE based greases for operating temperatures under 180°C (356°F).

Key product data	Klübertherm HB 88-182
Service temperature range	-30 to 180°C
Base oil viscosity	180 cSt at 40°C
Density at 20°C	1.12 g/cm ³
Consistency class	NLGI 2
Shear viscosity at 25°C	5600mPas
Oil separation, FTMS 971 C-3213, 30h at 180°C	2.9%
Corrosion protection, EMCOR, 24h, distilled water	≤1
Copper Corrosion, DIN 51811, 24h at 150°C	1-150

Product	Volume
1 kg of PFPE based grease	0.53 cm ³
1 kg of Klübertherm HB 88-182	0.89 cm ³

How can Klübertherm HB 88-182 save you money?

PFPE based greases have a density of approximately 1.9 g/cm³, however the Klübertherm HB 88-182 grease has a density of 1.12 g/cm³. That means you will get 68% more grease for every kilogram!